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No. 791. VOL. XLVI.

JUNE 15, 1895.

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MR. JUSTICE KEKEWICH.

ADALBERT VOGT, *Plaintiff*,

AND

Between

THE LANCASHIRE ULTRAMARINE COMPANY, LIMITED
(formerly called J. A. EGESTORFF & Co., LIMITED), *Defendants*.

Notice is hereby Given that on the 2nd day of February, 1895, his Lordship Mr. Justice Kekewich (on Motion for Judgment) granted a perpetual Injunction restraining the Defendant Company, their servants and agents, from infringing the Plaintiff's registered Trade Mark, No. 172,870, and also from selling or offering for sale any preparation for polishing metals got up in any way closely resembling, or only colourably differing from, the manner in which the Plaintiff's Paste or preparation for polishing metals is got up, and also from passing or attempting to pass off and from enabling others to pass off any preparation for polishing metals not being the goods of the Plaintiff as or for the goods of the Plaintiff by the use of the term "Helmet Brand," or by the use of the device of a "Helmet," or in any other way.

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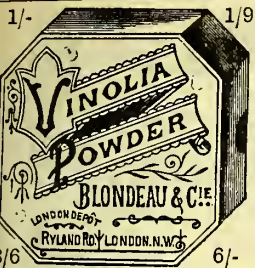
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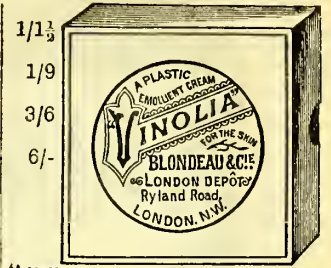
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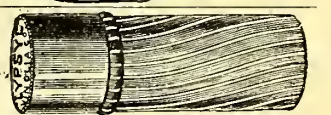
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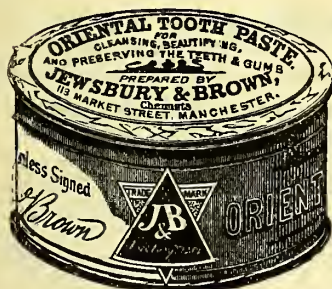
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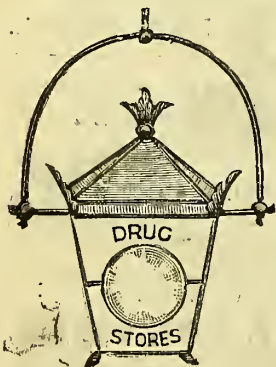
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DEAR SIR,—Allow me to thank you most sincerely for the very careful and thorough manner in which you and your staff directed my studies for the last "Minor." I must say that when I commenced work I did not anticipate, with any degree of confidence, being ready by the time, and can only ascribe my success to the lucid and interesting manner in which the subjects are taught at the City School. In practical work especially the supervision is most painstaking, and no student who goes to you need be (if he determines to work) afraid of being neglected or overlooked. Wishing you every success,
Faithfully and gratefully yours, JAMES EAKIN.

17 WELLS STREET, GRAY'S INN ROAD, W.C.

DEAR SIR,—I thank you for the ungrudging manner in which you supplied everything, and for your constant and unwearying attention whilst I was with you.
Yours sincerely,
J. R. CHIPPENDALE.

"WHAT AN EVENING PUPIL SAYS."

13 BRUNSWICK SQUARE, LONDON, W.C., April 11, 1894.

DEAR MR. WILLIAMS,—Having passed the Minor Examination, I feel that I must write to thank you for all you have done for me, more especially when taking into consideration that before last September (when I first came to you) I had done nothing at all towards it, either practical or theoretical, and then only coming to "Night Classes," and being in business all the time I was studying. It only shows the thoroughness of the tuition I have received from yourself and Mr. Ellwood that I should be able to pass in six months. I shall always recommend the "City School," and again thanking you,
I remain, yours sincerely, A. E. WALKER.

PASS LIST OF PAST SESSION 1893-94.

Davies, R. F.
Davies, R. F., "Major."
Sage, C. E.
Jones, Thos.
Price, C. H.
Wells, W. L.
Wicks, H. G.
Smith, R. T.
Roberts, W.
Roberts, W. J.
Clemitson, J. W.
Davidson, A. E.
Dealve, A. E.

Gee, E. M.
Hodder, H. G.
Short, W. J.
Newman, E. H.
Gibson, H.
Andrews, D. F.
Beales, W. W.
Carter, J. H.
Davies, D.
Davies, H. P.
Davies, H. P., "Major."
Davis, T. M.
Ingram, Fred.
Rees, W. E.

Walker, A. E.
Greig, J.
Potter, T. B.
Atthey, G. H.
Bloor, F. A. Evans, D. E.
Evans, E. O.
Daniels, J. W.
Hick, W. H. H.
Lawson, A. O.
Lee, J. C.
Jackson, T.
Richards, Emrys
Smedley, W. G.

Turner, J. A.
Maskew, W.
Ware, A. H.
Thompson, J.
Strother, A. E.
Cleghorn, J.
Dawney, C. B.
Benjamin, J.
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Morrey, George
Jones, W. M.
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Hughes, J. A., "Major."

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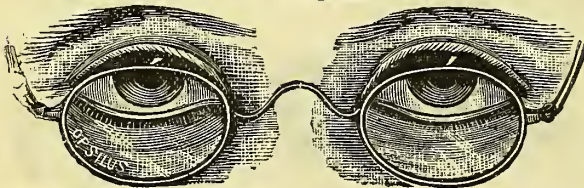
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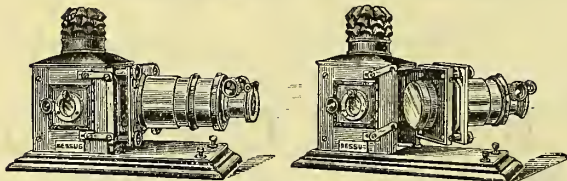
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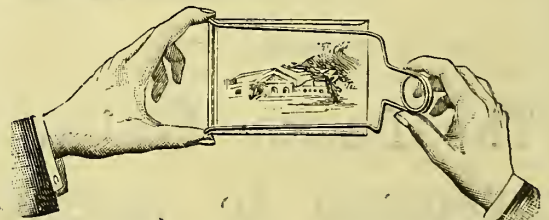


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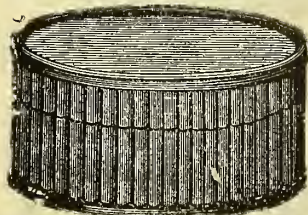
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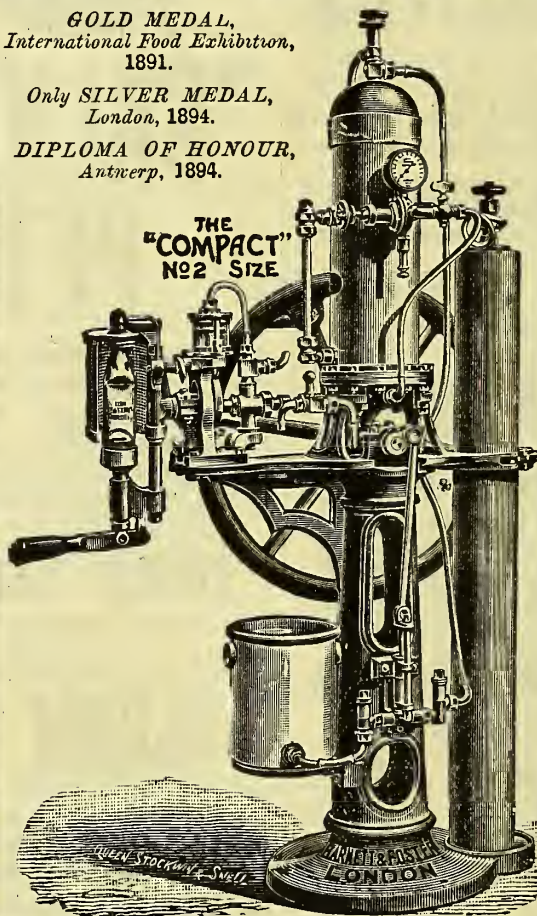
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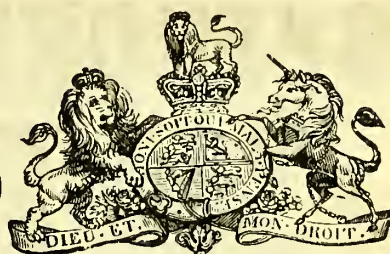
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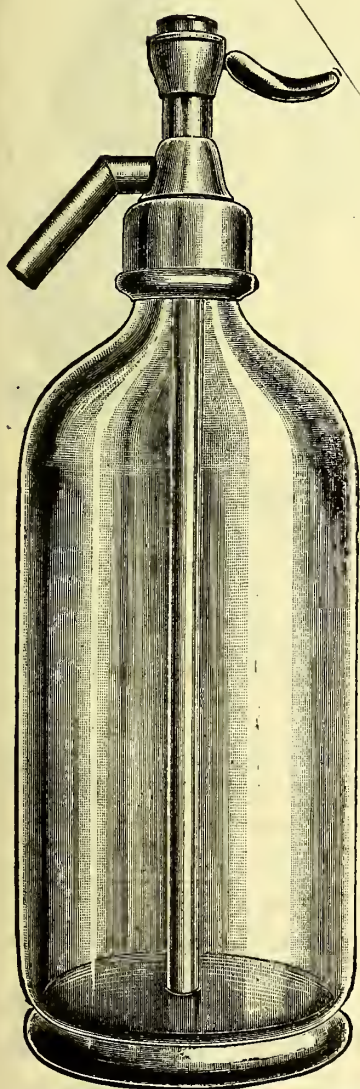
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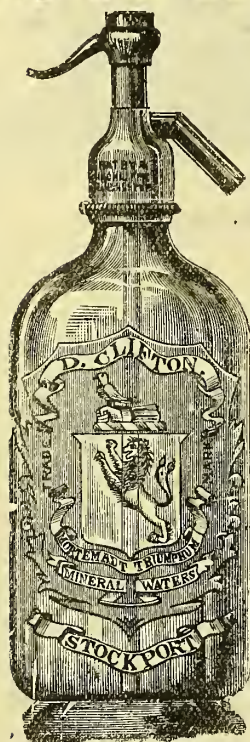
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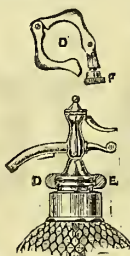
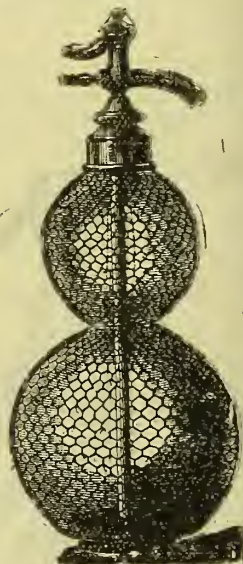
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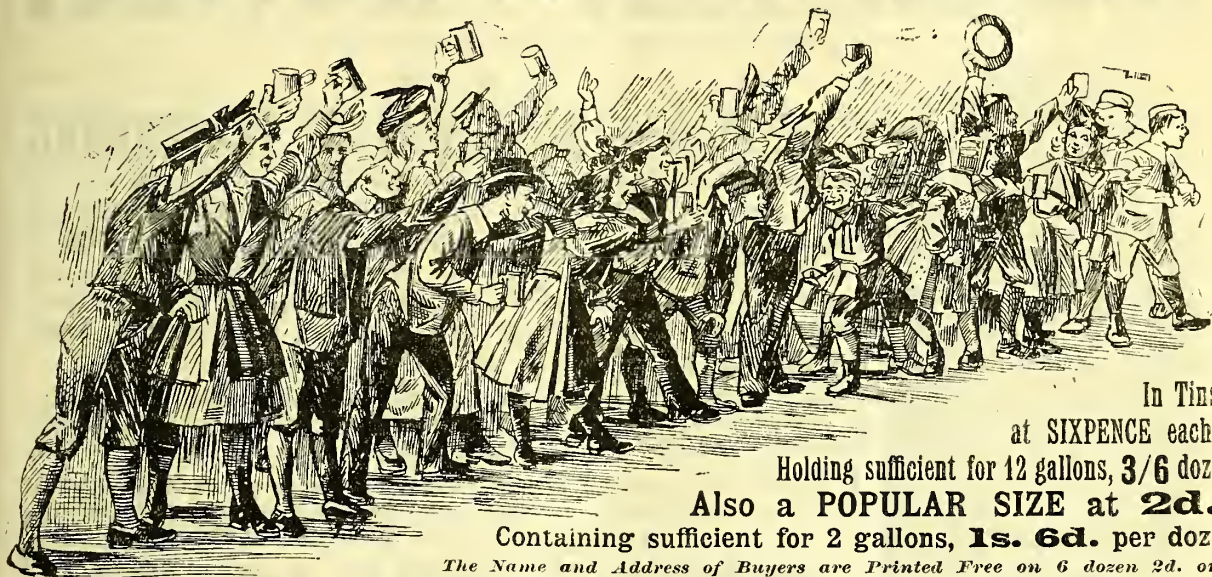
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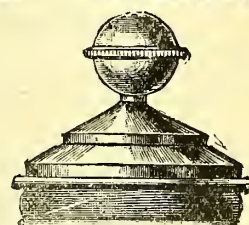
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## EMEROCATION

Day & Sons  
Elliman, Sons & Co.  
Harvey & Co.  
"Eupona"  
Walker's "Semotine"

## ENEMAS

Barclay, Lim.  
Evans, Sons & Co.  
Hartick & Co., Lim. ("Hack")  
Sanger & Son | Wood, Vincent

## ENGRAVERS

Corsan, J. R.  
Boulton, J., & Co., Lim.  
Bovril, Lim. (Beef)  
Brath & Hinchliffe, Lim.  
Burkoyne, Burbridge & Co.  
Bush, W. J., & Co.  
Fletcher, Fletcher & Co.  
Goodall, Backhouse & Co.  
Idris & Co. Lim.  
Lorimer & Co.  
May & Baker, Lim.  
Newball & Mason  
Rylands, Dan, Lim.  
Stevenson & Howell  
Tyrer, P. (Anchovies)  
Tyrer, T., & Co.  
Woolley, Sons & Co.

## ESSENTIAL OILS

Allen, S., & Sons  
Boehm, Fredk.  
Bush, W. J., & Co.  
Clyde & O'Connell  
Drysdale, J. W., & Co.  
Evans, Sons & Co.  
Jackson, J., & Co.  
May & Baker, Lim.  
Ransom, Wm., & Sons  
Rylands, Dan, Lim.  
Sanitas Co., Lim.  
Sozio & Andrioli  
Turway & Co.  
Stevenson, H. E., & Co.  
Stevenson & Howell  
Sykes & Co. | Todd, A. M.  
Treatt, R. C. | Warwick Bros.  
Wright, Layman & Umney

## ETHER

Duncan, Flockhart & Co.  
Howards & Sons  
Macfarlan, J. F., & Co.  
May & Baker, Lim.  
Robbins, J., & Co.  
Tyrer, T., & Co.  
White, A., & Sons  
Woolley, Sons & Co.  
Wright, Layman & Umney

## EUCALYPTUS

Bush, W. J., & Co.

## EXTRACT MEAT

Armour & Co. | Brand & Co.  
Liebig Co.  
Liquor Carnis Co.

## EXTRACTS, FLUID

Allen & Hanbury's  
Allen, G., & Co.  
Bleasdale & Co., Lim.  
Burkoyne, Burbridge & Co.  
Evans, Sons & Co.  
Fletcher, Fletcher & Co.  
Heaton, Squire & Francis  
Hooper, E., & Co.  
Lloyd, T. Howard, & Co.  
Moss & Co.  
Parke, Davis & Co.  
Parke & Clarke  
Ransom, W., & Sons  
Richardson, J., & Co., Lim.  
Wright, Layman & Umney

## EXTRACTS, SOLID

Allen, G., & Co.  
Ransom, W., & Sons

## FEED BOTTLES

Burroughs, Wellcome & Co.  
(Thermo Safe)  
Chemists' Association, Lim.  
Evans, Sons & Co.  
Gilbertson, H., & Sons  
Hearn, Wright & Co.  
Hockin, Wilson & Co.  
Hovenden & Sons  
Kimer Bros.  
Marriott, E. & Co.  
Maw, S., Son & Thompson  
May, Roberts & Co.  
Shirley Bros. | Youlton, E.

## FILTERS

Fordham, W. B., & Sons, Lim.

## FLY PAPERS

Bleasdale, Lim.  
Buchan, D. D.  
Ford, Shapland & Co.  
Hewshall, L.  
May, Roberts & Co.  
Silverlock, H. | Strong, Christy  
Smith, J. H.  
Tidman & Sons  
Tunbridge & Wright

## FOOD (Infants' & Invalids)

Allen & Hanbury's  
Benger's Food  
Brand & Co.  
Cerebros Salt Co., Lim.  
Evans, Sons & Co.  
First Swiss Milk Co., Lim.  
Goodall, Wm., & Sons  
Goodall, Backhouse & Co.  
Heaton, Squire & Francis  
Liquor Carnis Co.  
Lisle Co., Lorimer & Co.  
Mellin's Food | Nestlé, H.  
Tyrer, P.

## FULLERS' EARTH

Barclay & Sons, Lim.  
Fullers' Earth Mining Co., Lim.

## GELATINES

Boehm, F.  
Brath & Hinchliffe, Lim.  
Chemists' Aserated & Mineral  
Water Association, Lim.

## GINGER ALE

Ellis & Son  
Mills, R. M., & Co.  
Ross & Sons, Lim.

## GLYCERINE

Blyton, Astley & Co. (Pastilles)  
Boehm, F., Fink & Co.  
Friele's Mangle Co., Lim.

## GRANULAR PREP.

Bishop, A., & Sons  
Blyton, Astley & Co.  
Boulton, J., & Co.  
Evans, Sons & Co.  
Heaton, Squire & Francis  
Lloyd, T. Howard, & Co.  
Richardson, J., & Co., Lim.  
Tyrer, T., & Co.  
Wright, Layman & Umney

## GUM

Fink & Co. (Arabic, &c.)

## HAIR PREP.

Bates, F. W.  
Chesbrough Co.  
May & Baker, Lim.  
Treatt, H. P., Lim.

## HERB BEER MIXTS.

Newball & Mason  
Pegg, J. A.  
Potter & Clarke

## HOMOGEPATHO

Keene & Ashwall  
Leath & Ross  
Watson & Wates

## HYPOPHOSPHES

Duncan, Flockhart & Co.  
Fellows  
Fletcher, Fletcher & Co.  
Lorimer & Co. | Symes & Co.  
Tyrer, T., & Co.

## INHALERS

Burroughs, Wellcome & Co.  
Gilbertson, H., & Sons  
Hockin, Wilson & Co.  
Martindale, W.  
Toogood, W.

## INK

Bewley & Draper, Lim.

## INSECTICIDES

Barclay & Sons, Lim.  
Hockin, Wilson & Co.  
Jackson, T. (Bellows)  
Lorimer & Co.  
Sandford & Sons  
Steiner & Co.  
Stevenson & Howell

## JELLOIDS

Warwick Bros.

## KETCHUP

Tyrer, P.

## KOLA

Christy & Co.  
Moss, John, & Co.

## LAMPS

Caspar & Co.

## LARD

Ewen, J., & Sons

## LIME JUICE

Evans, Sons & Co.  
Lorimer & Co.

## LINT

Burkoyne, Burbridge & Co.  
Christy, F., & Co.  
Liverpool Lint Co.  
Maw, S., Son & Thompson  
Newsome, C.  
Robinson & Sons

## LIQUORICE

Dennis Di Luzzo & Co.  
Evans, Sons & Co. (Savarini)  
"Solazzi"

## LIQUORS

Cooper & Co.  
Fletcher, Fletcher & Co.  
Lloyd, T. Howard, & Co.  
Moss, John, & Co.  
Oppenheimer, Son & Co., Lim.

## LOZENGES

Allen & Hanbury's  
Blyton, Astley & Co.  
Gibson, R., & Sons (Manfrs.)  
Guest, T., & Co.  
Hill & Son | Lorimer & Co.  
Raines & Co.  
Richardson, J., & Co., Lim.  
"Solazzi"  
Warwick Bros.

## MACHINERY

Bennett, Sons & Shears Lim.  
Gardner, W.  
Hockin, Wilson & Co.  
Melin, S. | Pindar, W.  
Werner & Pfeiderer (Knead-  
ing and Sifting)

## MGAGNESIA

Bleasdale, W., & Co.  
Evans, Sons & Co.  
Henry, T. & W. (Calcedine)  
Hill, A. S., & Sons  
Lloyd, T. Howard, & Co.  
Lorimer & Co.  
Washington Chemical Co.

## MALTEXTECT, &c.

Allen & Hanbury  
Anderson & Co.  
Burroughs, Wellcome & Co.  
(Kenler's)  
Glendinning, W., & Sons  
(Wine)

Heaton, Squire & Francis  
Lofoden Cod Liver Oil Co.  
Lorimer & Co., Moss, J., & Co.  
Morrison R., & Co.  
Oppenheimer, Sons & Co., Lim.

Parke, Davis & Co.  
Raines & Co.  
Raines, Clark & Co.  
Richardson, John, & Co. (Lec-  
ester), Lim.  
Robinson & Co.

## MANICURE

Hovenden & Sons

## MARKING INKS

Bond (Daughter of the late  
John) (Ink & Penicill)

## MEDICINE CHESTS

Burroughs, Wellcome & Co.  
Day, Son & Hewitt (Veterinary)  
Day & Sons (Veterinary)  
Richardson, J., & Co., Lim.  
MENTHOL  
Burroughs, Wellcome & Co.  
Christy, T., & Co.  
Evans, Sons & Co.  
Hockin, Wilson & Co.  
Maw, S., Son & Thompson  
Shirley Bros. | Tyrer, F.

## MERCURIALS

Howards & Sons  
May & Baker, Lim.  
Tyrer, T., & Co.

## METH. SPIRITS, &c.

Boord & Son | Burroughs, J.  
Jones & Co.  
Phillips, G., & Co.  
Smith, & J. C.  
Warren, A. J., & Co.

## METHYLENE

Robbins, J., & Co.

## MICROSCOPES

Darton, F., & Co.

## MILK

Nestlé, H. (Condensed)

## MORPHIA

Macfarlan, J. F., & Co.  
Smith, Bertie, & Co.  
Smith, T. & H., & Co.

## OILS

Bowley, S., & Son  
Hooper, H., & Co. (Sandal Wood)

## OINTMENT BASES

Burroughs, Wellcome & Co.  
(Lanoline)  
Chesbrough Co. (Vaseline)  
Christy, P., & Co.  
Lloyd, T. Howard, & Co.  
Richardson, J., & Co. (Lecoles-  
ter), Lim.  
Rypson  
Stevenson, H. E., & Co.

## OPIMUM

Hopt, R.

## OPTICIANS

Botwright & Grey  
Darton, F., & Co.  
Raphael, J., & Co.

## OTTO OF ROSE

Warwick Bros.

## OXIDE OF ZINC

Hubbuck, T., & Son, Lim.  
Stevenson, H. E., & Co.

## PALATINOLIDS

Oppenheimer, Son & Co.

## PASTILLES

Jackson, T.  
PAT. MEDCNS, &c.  
Anglo-American Drug Co.  
Lim. (Preserv.)  
Atkinson & Barker (Infant)  
Barclay & Sons, Lim.  
Beecham, T. (Pills)  
Bow's, Dr., Liniment  
Chemists' Association, Lim.  
Clarke's Blood Mixture  
Culwick's Skin Ointment  
Oullwick's Blood Tablets  
Edwards & Son

Evans, Leecher & Webb  
Fassett & Johnson  
Fennin (Powders)  
Goodall, Backhouse & Co.  
"Hermantine"

Holloway (Pills and Oint.)  
Hovenden & Sons  
Hylton (Phospor. Oxydus, &c.)  
May, Roberts & Co.  
Newbery, F., & Sons

Powell, T.  
Roberts & Co.  
Warner, H. H., & Co., Lim.  
Wilkinson & Co.  
Wilson, A. (Bunter's Nervine)

## PEPPERMINT OIL

Bush, W. J., & Co.  
Jackson, J., & Co.  
Ransom, W., & Son  
Stevenson & Groll

## PERFUMERY,

## FANCY SOAPS

Barclay & Sons, Lim.  
Bleasdale & Co.  
Blondeau & Cie. | Boehm, F.  
Blyton, Astley & Co.  
Brooks, T. (Solid)  
Burkoyne, Burbridge & Co.  
Burroughs, Wellcome & Co.  
Rush, W., & J., & Co.  
Chemists' Association, Lim.  
Chesbrough Co.  
Evans, Sons & Co.  
Ewen, J., & Sons | Farina, J. M.  
Hovenden & Sons  
Kemp & Son  
Lanoline | Mhlens, F.  
Lynn, J. H., & Co.  
Newbery, F., & Sons (Bardes)  
Pears, A., & F., Lim.  
Price's Patent Candles  
Sharp Bros. Soap & Perfumery

Sozio & Andrioli  
Tidman & Son | Treatt, E. C.  
Trueitt, H. F., Lim.  
Van Oppen & Co.  
Warwick Bros.

West, T. (Oklé's Monn)  
Woolley, Sons & Co. (Powder)  
Wright, Layman & Umney

## PEPSIN, &c.

Armour & Co.  
Burroughs, Wellcome & Co.  
Newbery, F., & Sons (Inglavin)  
Oppenheimer, Son & Co.  
Parke, Davis & Co.  
Stevenson, H. E., & Co.  
Warner & Co. (Inglavin)

## PERK. OF HYDR.

May & Baker, Lim.  
Robbins & Co. | Tyrer, T., & Co.  
San tas Co., Lim.

## PETROLEUM

Allen & Hanbury  
Christy, T., & Co.  
Dee Oil Co., Lim.  
Hartick & Co., Lim. ("Luci-  
line")  
Snowdon, Sons, & Co. (Jelly)

## PHARM. PREPS.

Allen & Hanbury's  
Antioxine | Armour & Co.  
Bales Bros.  
Baron, Harveys & Co.  
Boehm, Fredk.  
Boehringer, C. F., & Sohne  
Boulton, J., & Co., Lim.  
Burkoyne, Burbridge & Co.  
Burroughs, Wellcome & Co.  
Duncan, Flockhart & Co.  
Evans, Sons & Co.  
Farris & Co.  
Fletcher, Fletcher & Co.  
Giles Schacht & Co.  
Heaton, Squire & Francis  
Hewlett & Son  
Hill, A. S., & Sons  
Howards & Sons  
Lactophen  
Macfarlan, J. F., & Co.  
Mackey, Mackey & Co.  
Marlodiade, W.  
May & Baker, Lim.  
Moss, J., & Co.  
Oppenheimer, Son & Co., Lim.  
Parke, Davis & Co.  
Potter & Clarke  
Richardson, John, & Co. (Le-  
Robert & Co. (cester), Lim.  
Smith, T. & H., & Co.  
Squire & Sons  
Stevenson, H. E., & Co.  
Sykes & Co. | Tyrer, T., & Co.  
Terrol Co.  
Warner, H. H., & Co., Lim.  
White, Alfred, & Sons  
Woolley, Sons & Co.  
Zimmermann, A. & M.

## PILL MACHINES

Pindar, J. W.  
Toogood, W. (Coater)  
Werner & Pfeiderer

## PORCELAIN GDS

Toogood (E.C. Pots, regist.)

## PHOTOGRAPHIC

Airs & Co. | Barclay & Sons, Lim.  
Blackfriars Photographic Co.  
Boehm, Fredk.  
Botwright & Grey  
Burroughs, Wellcome & Co.  
Darton, F., & Co.  
Eastman Photo Materials Co.  
Evans, Sons & Co. (Lim.)  
Fordham, W. B., & Sons, Lim.  
Howards & Sons (Chemicals)  
Kombi Camera  
Raphael, J., & Co., Li  
Thomas, R. W., & Co., Li  
Thornion-Flitchard Co.  
Tyrer, T., & Co.  
White, Alfred, & Sons  
Zimmermann & Co.

## PILLS, Coated, &c.

Allen & Hanbury's  
Anderson Apothecaries' Hall  
Beecham, Thomas  
Blyton, Astley & Co.  
Cox, Arthur H., & Co. (tasties)  
Duncan, Flockhart & Co.  
Evans, Sons & Co.  
Heaton, Squire & Francis  
Hill, A. S., & Sons  
Lloyd, T. Howard, & Co.  
Lorimer & Co.  
McKesson & Robbins  
Newbery, F., & Sons  
Norlons & Lim. (Camomile)  
Parke, Davis & Co.  
Potter & Sacker  
Rackham & Co.  
Richardson, J., & Co., Lim.  
Walker, D. P.  
Wand, S. (Pearl Coated)  
Warner, W. B., & Co. (Coated)  
Wyleys, Lim.

## PLASTERS



**SCHOOLS, &c.**

Central School of Chemistry  
City School of Chemistry and  
Pharmacy, Lim.  
Liverpool School  
London Homoeopathic and  
Medical School  
Manchester Col. of Pharmacy  
Metropolitan Col. of Pharmacy  
Newcastle School  
Northern College of Pharmacy  
North of England School  
Sheffield College of Pharmacy  
South London School of  
Pharmacy, Lim.  
The School of Pharmacy  
Westminster College

**SCIENTIFIC****INSTRUMENTS**

Darton & Co.

**SEEDS**

Potter & Clarke

**SEIDLITZ POWDERS**

Bylton, Astley & Co.  
Hockin, Wilson & Co.  
Hors & Co. | May, Roberts & Co.

**SELTZGENES**

Brady & Hinchliffe, Lim.  
British Syphon Manufactur-  
Evans, Sons & Co. (ing Co.  
Hockin, Wilson & Co.  
May, Roberts & Co.

**SEAVING**

Hovenden & Sons (Euxessale)  
Lloyd, Mrs. A. S. (Euxessale)  
Truett, H. P., Lim.

**SOAP**

Ayrton & Saunders  
Barclay & Sons, Lim.  
Blondeau & Cie (Vinolia)  
Bronnley, H., & Co.  
Cook, E., & Co.  
Evans, Sons & Co.  
Fordham, W. B., & Sons, Lim.  
Jeyes' Sanitary Compounds Co.  
Lorimer & Co. | Muhlen, F.  
Pears, A. & F., Lim.  
Sankas Co., Lim.  
Sharp Bros. Soap, &c., Co., Ltd.  
Sincclair, J., & Son  
Tidman & Son  
United Alkali Co., Lim.  
Wright, Layman & Umney  
Yardley & Co.

**SHOP FITTERS**

Bowling & Gorrie  
Bygrave, J. & W.  
Evans, Sons & Co.  
Josephs P. I. Treble, G., & Son  
Yates, W. S.

**SHEEP DIP**

Fletcher, Bros. & Co.  
Jeyes' Sanitary Compounds Co.  
Ness & Co.  
Odams' Chemical Co., Lim.  
Quibell Bros.  
Sanitas Co., Lim.  
Tomlinson & Hayward, Lim.

**SPECTACLES**

Botwright & Grey  
Darton, F., & Co.  
Raphaell, J., & Co.

**SPONGES**

Cresswell Bros. & Schmits  
Evans, Sons & Co.  
Marks, Henry, & Sons (Lim.)  
Peterson, M., & Co.

**STAMPS (RUBBER)**

Hickinson, J.

**STARCH**

Barclay & Sons, Lim.  
Crichtley (Gloss)  
Redford & Son (Gloss)

**STOPPERS**

Austin & Co (Sprinklers)  
Barnett & Foster  
Melin, C. | Orchard, E. (Poison)  
Patent Stopper, Box, and  
Stamping Co. (Lim.)  
Stipendium Stopper Co., Lim.

**SURGICAL**

Ayrton & Saunders  
Bailey, W. H., & Son  
Barclay & Sons, Lim.  
Burgoyne, Burdidge & Co.  
Cooking, J. T.  
Ellwood Lee, J., Co.  
Eschmann Bros. & Walsh  
Farris & Co. | Harris, J.  
Hartick & Co., Lim.  
Haywood, J. H.  
Kahnemann & Krause  
Krohne & Sesemann  
Lambert, A., & Co.  
Liverpool Patent Lint Co.  
Macfarlan, J. F., & Co.  
Maw, S., Son & Thompson  
Oppenheimer, Son & Co.  
Powell & Barstow  
Quell, H. C.  
Richardson John, & Co., Lim.  
Robinson & Gorrie  
Sanitas Co., Lim.  
Schntze, F., & Co.  
Victoria Rubber Co.  
Wood, Vincent

**STOVES**

Clark, S., & Co., Lim.

**SUGAR OF MILK**

Boehm, Fredk.

**SYPHONS**

Barnett & Foster  
Brady & Hinchliffe, Lim.  
British Syphon Co.  
Chemists' Aerated & Mineral  
Waters Association, Lim.  
Fordham, W. B., & Sons, Lim.  
Idris & Co., Lim.  
Kilner Bros. | Malin, C.  
Rylands, Dan, Lim.

**SYRUPS**

Bylton, Astley & Co.  
Cooper & Co.  
Fletcher, Fletcher & Co.  
Idris & Co., Lim. (Liquors)  
Stevenson & Howell

**TABLETS**

Bylton, Astley & Co. (Sulphur)  
Caspur & Co., Lim.  
Corran, J. B. (Advertising)  
Richardson, J., & Co., Lim.  
(Compressed)

**TEA**

Burgoyne, Wellcome & Co.  
(Tablets)  
Tigona Tea Co., Lim.  
Great Tower St. Ten Co., Lim.  
Pearse & Meeking

**TEETHING PADS**

Marriott, E., & Co.

**THERMOMETERS**

Ayrton & Saunders  
Bailey, W. H., & Son  
Barclay & Sons, Lim.  
Darton, F., & Co.  
Raphaell, J., & Co.

**TINCTURES**

Evans, Sons & Co.  
Hewlett, C. J., & Son  
Lloyd, T. Howard, & Co.  
Moss, John, & Co.  
Parke, Davis & Co.  
Wyleys, Lim.

**TOBACCO & CIGES**

Lusby's Tobacco Co.  
Singleton & Cole (Lim.)

**TOOTH PASTE**

Beecham, T.  
Jewsbury & Brown  
Lutheni & Co.  
Maw, S., Son & Thompson  
Sutton, O., & Co.  
Truett, H. P., Lim.  
Wilson, A. (Dentist's)  
Woods, M. (Arca)

**TOILET**

Aspinall, E.  
Allen & Hanbury's (Christina)  
Ayrton & Saunders  
Bates, F. W. | British Paper Co.  
Burroughs, Wellcome & Co.  
"Cosmosine" (Lanoline)  
Dee Oil Co., Lim.  
Hockin, Wilson & Co.  
Hovenden & Sons  
Maw, S., Son & Thompson  
Onelch, H. C.  
Sanitas Co., Lim. (Co., Lim)  
Sharp Bros. Soap & Perfumery  
Truett, H. P., Lim.

**TOOTH PREPS.**

Hermanine

**TRADE MARKS**

Browne, T. B.  
Trade Mark Society, Lim.

**URETHRANE**

Howards & Sons  
Vaccine Association (Lymph).

**VACCINATION**

Vaccine Association (Lymph).

**VASELINE**

Chesbrough Co.

**VETERINARY**

Bird & Storey | Day & Sons  
Day, Son & Hewitt  
Ehman, Sons & Co.  
James, W. H. (Blisters)  
Jeyes' Sanitary Compounds Co.  
Kemp & Son  
Lloyd, T. Howard, & Co.  
Rookledge, F. E.  
Sanitas Co., Lim.  
Spratt's (Dogs)  
Walker, Troke & Co.  
Willson, S. (Pig Powders)

**VALUERS &****TENSER AGENTS**

Berdoo & Co. | Brett, F. J.  
Crocker, G. B., & Co.  
Fergusson & Osborne  
Orridge & Co.  
Tomlinson, Thos. & Son

**VINEGAR**

Champion & Co., Lim.  
Grimble & Co.

**VINOLIA Superfitt's**

Blondeau & Cie.

**WEED KILLER**

Acme Chemical Co., Lim.

**WHOLES & RETAIL  
DRUGGISTS**

Allen & Hanbury's  
Allen, S., & Son | Balise Bros.  
Barron, Harveys & Co.  
Blensdale & Co., Lim.  
Burgoyne, Burdidge & Co.  
Bush, W. J., & Co.  
Evans, Sons & Co.  
Evans, Lescher & Webb  
Fassett & Johnson  
Farris & Co. | Graf, F.  
Goodall, Backhouse & Co.  
Harker, Stagg & Moran  
Heaton, Squire & Francis  
Hewlett & Son  
Hill, A. S., & Son  
Kemp, Wm. & Son  
Lloyd, T. Howard, & Co.  
Loffhouse & Saltmer  
Macfarlan, J. F., & Co.  
Mackay, Mackay & Co.  
Potter & Clarke  
Raines & Co.  
Raines, Clark & Co.  
Richardson, J., & Co., Lim.  
Smith, B. A., & Co.  
Stenson, H. E., & Co.  
Sykes & Co.  
Taylor & Colledge  
Walker, Troke & Co.  
Willows, Francis & Butler  
Woolley, Jas. & Sons & Co.  
Wright, Layman & Umney  
Wyleys, Lim.

**VINES, SPIRITS**

Armbrrecht, Nelson & Co. (Coca)  
Burroughs, J.  
Coleman & Co., Lim.  
Dowden & Co., Lim.  
Durrant & Co.  
French Hygienic Socy. (Coca)  
Glendenning, W., & Sons  
Goodall, Backhouse & Co.  
Hirst, Brooke & Hirst, Lim.  
Lorimer & Co.  
Miller, A., & Co. (Orange)  
Phillips, G., & Co. | Robinson, B.  
Smith, S., & Co. (Orange)  
Warren, A., & J.  
Wright, Layman & Umney

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To BARCLAY & SONS, Limited.

THERE is

Half-a-Sovereign

(or more) for you on every  
one of our

50/- Hand Cameras

that you sell.

IT TAKES 12 QUARTER  
PLATES.

HAS 2 VIEW FINDERS.

A GOOD S. L. LENS, WITH  
IRIS DIAPHRAGM.

TIME OR INSTANTANEOUS.

MOROCCO BOUND, AND  
WEIGHS 3 LBS.

Discount 20%; 3 or more 25%.

BARCLAY & SONS, LTD., 95 FARRINGTON STREET, E.C.



The ORIGINAL and by far the BEST STICKY FLY PAPER in the MARKET.

THE **BY ROYAL LETTERS PATENT. "CATCHES MORE FLIES IN A DAY THAN THE OLD FASHIONED PAPERS DO IN A WEEK."** SOLD ALL OVER THE WORLD. PRICE ONE PENNY.



WELL KNOWN IN EVERY HOUSEHOLD IN THE KINGDOM.  
ANNUAL SALE MILLIONS. BEARS LARGE PROFITS.

"The best test as to the efficacy of a Sticky Fly Paper is the length of time that it will retain its moisture and adhesiveness upon exposure to the air. We invite our friends to thus test our Paper against that of *any* rival manufacture by opening out the various samples and placing them side by side in the sun. We think it will be found that the 'Cemetery' will answer this test the most efficiently, and will not speedily become a mere *Skating Rink* for the Flies to amuse themselves upon."

**NOTE.**—The Fly Cemetery is folded over at the edges, as it is found by several years' experience that this is the method most appreciated by the general public as being the simplest plan, and most easy to open. When you know a good article stick to it as tenaciously as the Flies do to the Fly Cemetery.

MANUFACTURERS—

**TUNBRIDGE & WRIGHT, READING.**

NORTH OF ENGLAND DEPOT—

4 GALLOWGATE, NEWCASTLE-ON-TYNE.

TELEGRAMS—

"FLIES READING."

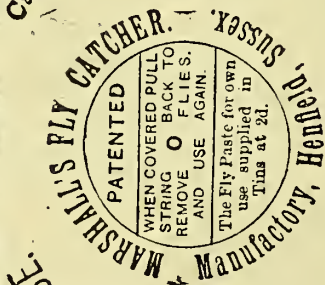
**IMPORTANT NOTICE.**

In order that our Customers may not suffer any loss through deterioration of Stock kept during the Winter, we are willing to Exchange any thus left over for Fresh Stock at the commencement of a new Season. We only ask our friends to assist us by ordering judiciously, especially towards the latter part of the Season.

FEARFULLY FATAL FOR FILTHY FLIES!!!

ACTUAL SIZE

Can be carried in the Pocket.



CLEAN TO USE

ACTUAL SIZE

1d.

EACH.

1d.

EACH.

THE ONLY REEL COMFORT.

MARSHALL'S

FLY & MOSQUITO CATCHER

IS NOT OFFENSIVE TO THE SIGHT.

Catches more Insects than Sticky Papers.

DOES NOT SPOIL BY KEEPING.

GOOD IN ANY CLIMATE  
Therefore Specially Suitable for Export.

Promptly fixes the pests and rapidly clears a room of these carriers of disease and contagion.

Catches successive crops by drawing the String to and fro, at the same time Killing the Insects, thus there is no lingering torture.

STOCKED BY ALL THE LEADING LONDON, PROVINCIAL, AND COLONIAL HOUSES.



# FLYODOOMO FLYODOOMO FLYODOOMO

THIS IS THE NEW NAME FOR

## SMITH'S FLY STICKERS

The Cleanest, Stickiest, and Best Fly Papers in the Market. Carefully rolled up so that the Composition cannot possibly get outside. Own Name and Address on 100-gross quantities.

Large Buyers should write for Samples and Quotations.

$\frac{1}{2}$ d. and 1d. Sizes.

## MAKER OF SUPERIOR FLY LIME.

SAMPLE AND PRICE ON APPLICATION.

**JOHN H. SMITH,**  
NEWARK-ON-TRENT.

### WISE SAYINGS WITH A MODERN APPLICATION.

"We increase our comfort when we lessen our desires."

And we increase our comfort when we lessen our Fly population.

Buchan's Fly Enticer will do this.

BUY THEREFORE

## THE PERFUMED STICKY FLY

1d. ENTICER. 1d.

Fly  
Enticer  
Gum.



Death  
Jam.

Kills Wasps,  
Mosquitoes.

Tins 2d. each.

Tins, 6d, 1/-, and  
2/6.

The  
Surest and Best  
Fly Catcher.

TRADE MARK  
(Registered).

Most Alluring  
and  
very Sticky.

Send for Samples NOW, Post Free.

To be obtained from the principal Drug and Sundries Houses,  
or from the Manufacturer—

**D. D. BUCHAN, FRIOCKHEIM, N.B.**  
Telegrams—"BUCHAN FRIOCKHEIM."

Sole Export Agents—BURGOYNE, BURBIDGES & CO.,  
16 Coleman Street, London, E.C.

# CHRISTY STRONG

Begs to inform the Trade that he is now manufacturing



MACHINE-MADE FLY PAPERS, the  
"GRIP" and the "COBWEB," a  
great improvement on the hand-  
made paper. They are the admira-  
tion of all who have seen and  
tested them.

**5/-** Per Gross,  
Post Paid.

Cash must accompany order.

Progressive Traders should compare by sending for post-paid Samples.

# READING.



# WANDSWORTH CHEMICAL WORKS, LTD.

## CARBOLIC DISINFECTANTS.



Silver Medal, Edinburgh, 1890. Highest Award.

CARBOLIC POWDER: Pink, White, or Grey

Any Strength. Packets, Tins, and in Bulk.

CARBOLIC ACIDS: CRUDE. 95.97%  
PALE, and 97.99% WATER WHITE.

SANITARY FLUID or CREOSOL:

Bottles Drums and Casks.

IMMEDIATELY SOLUBLE IN COLD WATER.



Gold Medal, Jamaica, 1891. Highest Award.

## "PINEOTAS" DISINFECTANTS.

"PINEOTAS" POWDER, FLUIDS, AND OIL.

SPECIALLY SUITABLE FOR INDIA &amp; THE EAST.

## CONCENTRATED FLUID SHEEP DIP

CARBOLIC AND "PINEOTAS" SOAPS, PETROLEUM  
JELLY, CHLORIDE OF LIME, &c.

WORKS &amp; WHARF: THE CAUSEWAY, WANDSWORTH, S.W.

Agency—116 PRINCESS STREET, MANCHESTER.

AGENTS WANTED.

**"THE ONLY GENUINE"**  
**GOVERNMENT DISINFECTANT**

**CHEAPEST AND BEST HOUSE FOR CARBOLIC POWDER IN TINS**

**CARBOLIC POWDER**  
IN DECORATED TINS  
PRICES. PER GROSS  
GREEN 15% } 6<sup>o</sup> SIZE 45/-  
& BLACK 15% } 1/2 " 90/-  
BLACK } 6<sup>o</sup> SIZE 1 lb. 40/-  
& GOLD } 1/2 " 2 lb. 60/-  
ALSO IN CASKS & PACKAGES  
FLUIDS, ACIDS, SOAPS ETC.

TO BE HAD FROM  
ALL WHOLESALE DRUGGISTS.

**THE GOVERNMENT SANITARY CO. LONDON**

**"THE MOST POWERFUL GERM DESTROYER AT  
PRESENT KNOWN TO SCIENCE."**

DISINFECTANT (Non-poisonous).

Now  
supplied by the chief  
Wholesale Houses.Show Cards.  
Pamphlets.  
Printed Matter,  
And any information  
the Trade may require,  
can be obtained on  
application to**Allen & Hanburys,**  
BETHNAL GREEN,  
LONDON.Who are the Sole Bottling  
Agents for the Manufac-  
turers.

**CHLORIDE OF LIME!**  
IN AIRTIGHT, WATERPROOF & ODOURLESS PACKAGES.

SILVER I.H.E. MEDAL 1884. TRADE MARK.

**NATIONAL CHEMICAL CO. CHLORIDE OF LIME**

**LIST OF PRICES**  
24 lb. Box 1 lb. 6/6  
24 lb. " 1/2 lb. 7/-  
24 lb. " 1/4 lb. 8/-  
24 lb. " ASSORTED (1 lb. 1/2 lb. 1/4 lb.) 7/3  
24 lb. " 1 GROSS 1 lb. 8/-

**N.C. Co. INVENTORS AND SOLE MAKERS BEWARE OF IMITATIONS**

TO BE HAD FROM ALL WHOLESALE DRUGGISTS!  
**NATIONAL CHEMICAL CO. LONDON.**



## COTTON'S PURE CARBOLIC ACID DISINFECTING POWDER

A most certain and Powerful  
Disinfectant, excelling all others  
in Purity.

Strength, and Efficiency.

Used by the Principal Hospitals and Sanitary  
Authorities.1/- Tins, 15 per cent. Pure Carbolic Acid, 4/6 per  
doz. 3 dozen and upwards Carriage paid; case free.  
Sample Tin 12 samps, with Analytical Report.

Special quotation for 2 cwt. and upwards.

AGENTS WANTED.

**Wm. COTTON, WEEKDAY NOTTINGHAM.**  
CROSS,



# SPRATT'S PATENT PET DOG CAKES.

RETAILED IN

7-lb. or 14-lb. Tins or Boxes, or in  $\frac{1}{4}$ -cwt.,  $\frac{1}{2}$ -cwt. or cwt. Cases.



ASSIST DENTITION & FORM A VALUABLE DIET FOR PUPPIES AFTER WEANING.

SOLD IN

7-lb. or 14-lb. Tins or Boxes, or  $\frac{1}{4}$ -cwt.,  $\frac{1}{2}$ -cwt., or cwt. Cases.

TRADE TERMS OF

SPRATT'S PATENT LIMITED, BERMONDSEY, LONDON, S.E.  
OR YOUR WHOLESALE HOUSE.

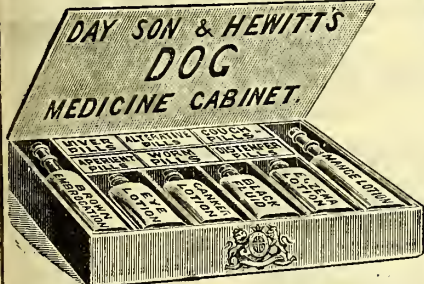
## DAY, SON & HEWITT.

LARGEST MAKERS IN THE WORLD OF  
HORSE & CATTLE MEDICINES.

### THE CHEMICAL EXTRACT.

For Kicks, Cuts, Bruises, Sore Withers, Swellings, Strains of Ligaments and Tendons, Saddle Galls, &c. It rapidly relieves Straining and Painful after Calving and Lambing, and is the remedy for Swollen Udders and Sore Teats.

Price 2s. 6d., 3s. 6d., and 7s. per bot.



Prices complete, 18s. and 34s.

PILLS & LOTIONS FOR ALL DOG AILMENTS.

Price 1s. 6d. per bottle or box.

Descriptive Catalogue of each preparation on application.



For all Feverish Disorders among Cattle, Sheep, and Pigs, and for Colds, Indigestion, Costiveness, Yellows, Surfeits, Loss of Cud, Hide-bound, Red Water, &c. Admirably adapted for cleansing and checking Feverish Symptoms in Cows and Ewes after Parturition, rendering the milk copious, pure, and wholesome. It acts as a safe preventive of Milk Fever.

Price (Cows), 13s. per dozen box;  
(Ewes), 3s. 6d. per doz. 3 doz. box, 10s.

Liberal Discounts to Foreign Buyers.

Trade Terms and Full Particulars on application.

Attractive Showcards and Handbills sent with each order.

### THE CASEOUS FLUID.

A sure remedy for the Fret, Colic or Gripes, Influenza, Loss of Appetite in Horses. For Debility, Scour, or Diarrhoea in Horses, Cattle, and Sheep. Hoven or Blown Cattle and Sheep instantaneously relieved.

Price 1s. 9d. per bot. 20s. per doz.



FOR HORSES, CATTLE, & SHEEP.

Prices:

£6 6s., £2 16s. 6d., & £1 8s. 9d.

ROYAL ANIMAL MEDICINE MANUFACTORY, 22 DORSET ST., LONDON, W.



# FLUID & Disinfectants POWDER

NON-POISONOUS

ONCE  
USED  
ALWAYS  
USED.

UNEQUALLED  
FOR  
DOMESTIC  
USE.

## “ODAMINE”

USED  
IN CASTLE,  
HALL, AND  
COTTAGE,  
HOSPITAL,  
WORKHOUSE  
AND  
FARM.

Manufactured by ODAMS' MANURE & CHEMICAL CO. (LIM). 116 Fenchurch Street. LONDON, E.C.

WHOLESALE & EXPORT orders for

## MASON'S

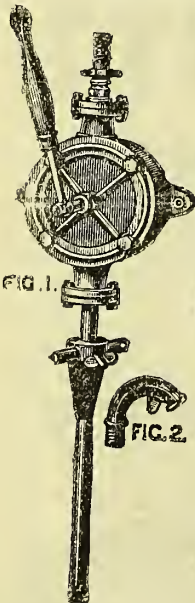
PERFUMED SOLUTION OF

## CARBOLIC ACID

Should be addressed to

C. E. MASON & Co., 107 Whitecross St., E.C.

TERMS UPON APPLICATION



BUY THE BEST

## OIL PUMP

AND SAVE

## OIL, TIME, MONEY.

THOUSANDS IN USE.

FIG. 2. We have bought the Stock of these Pumps from

MESSRS. PONTIFEX & WOOL,  
SHOE LANE, LONDON,

Who have given up this part of their business  
and it is our intention to continue same.

We hold a Good Stock, and can give  
Prompt Delivery.

Write for full particulars and prices of The "Farrington"  
Patent Oil Pumps to

## W. H. WILLCOX & CO.

34 & 36 Southwark Street,  
LONDON, S.E.

30

"We entertain a very favourable opinion of the preparation, and are  
able to recommend it"—*British Medical Journal*.

"An efficient disinfectant and antiseptic, very convenient to use both  
for surgical and ordinary purposes."—*The Lancet*.

"I have never seen healing take place so rapidly as under its influence."  
GEORGE HASTINGS, M.D.

## "ESSETS" FLUID.

"A PERFECT DISINFECTANT."

## "ESSETS" DISINFECTING POWDER

Contains all the valuable disinfecting properties of the Fluid.

Please note Change of Agency, and address all  
communications to

A. GRANVILLE & CO., 102 High St., BATTERSEA,  
LONDON, S.W.



## PERFORATED ROLLS

FROM

# 24/-

Per Gross.



PRICE LIST  
ON APPLICATION.

BANNER STREET, LONDON, E.C.



# SUMMER TRADE

We have ample proof that a good show means  
good trade.

## SPARKLING SUMMER SALTS.

RETAIL at 4d.

In 4-oz. tins, bearing handsome wrappers, printed in 4 colours, the most effective design yet introduced, 30/- per gross, with customers' names printed on wrappers. 2/9 per doz., names on gross lots only; both prices net.

## HEALTH SALTS.

RETAIL at 4d.

In 4-oz. tins, wrapped in a striking two-colour wrapper, 30/- per gross, customer's names printed on wrappers. 2/9 per doz., names on gross lots only; both prices net.

Fill your window with the above, and sell 10,000 tins. It has been done.

## 6d. CITRATE of MAGNESIA.

We offer 8-oz. white glass bottles, with glass stoppers, labelled with a new label, and containing a Citrate suitable to offer in any Pharmacy at the price, at 4/- per doz. net, or 45/- per gross net.

## 6d. SALINE.

In 6-oz. bottles, uniform with the above, at 4/- per doz. net., or 45/- per gross net. Also a better quality in 6-oz. bottles, white glass stoppered, and packed in handsome cartons, at 6/6 per doz. net.

Some goods require selling. These simply require handing over the counter, and they will keep you busy.

We also offer the best-got-up Box of Seidlitz Powders in the market at 5/6 per doz. boxes net; or 12 doz. boxes at 5/- per doz.

# BLYTON, ASTLEY & CO.

Manufacturing Pharmacists,

Eagle Laboratories, MANCHESTER.



# "Lanoline" Products

## FOR THE SKIN AND HAIR.

**"Lanoline."** A perfected preparation of the pure cholesterine fat of lamb's wool. It is well known to the medical profession that this fat is similar to the fat of the human skin and hair; "Lanoline" is therefore the natural nutrient for invigorating and restoring their normal health and beauty. Unlike ordinary fats which rapidly decompose and turn rancid, "Lanoline" never becomes even tainted with rancidity; consequently ointments and all other preparations having "Lanoline" for their basis do not irritate the skin or act detrimentally upon it, as is the case with ointments made with ordinary fats. Ointments of all kinds are more quickly absorbed when prepared with "Lanoline." All the following products contain "Lanoline":—

Physicians can confidently advise their patients to use the "Lanoline" Toilet preparations. "Lanoline" supplied at 2/8 per lb.

**Toilet "Lanoline."** A delicately perfumed Cream, natural to the human skin; is quickly absorbed. Softens and nourishes the skin, rendering it clear, elastic, and healthy, and prevents wrinkles, roughness, and redness. Especially useful for sunburn, chapped lips and hands, and for irritation, abrasions, and eruptions of the skin.

Toilet "Lanoline" is a delightful application after shaving.

Toilet "Lanoline" supplied in collapsable tubes at 4/6 and 9/- per dozen. Retail, 6d. and 1/-

**"Lanoline" Toilet Soap** thoroughly cleanses, softens, and nourishes the skin. The free "Lanoline" in "Lanoline" Toilet Soap replaces any fat which may be removed.

Ordinary toilet soaps contain an excess of alkali which extracts a certain amount of natural fat, causing the skin to become dry, harsh, and liable to crack. Supplied at 4/6 and 9/- per dozen tablets. Retail 6d. and 1/-

**"Lanoline" Pomade** is a natural nutrient for the hair; it cleanses the scalp from dandruff, prevents premature baldness; renders the hair soft, and glossy, and stimulates its growth.

Supplied in 2-oz. pots at 14/- per dozen. Retail 1/6 each.

**"Lanoline" Cold Cream.** A pure emollient and soothing agent for the skin; prevents and remedies roughness, chapping, red and tender skin; a valuable safeguard against wrinkles.

Supplied in 2-oz. pots at 14/- per dozen. Retail 1/6 each.

Burroughs, Wellcome & Co., Snow Hill Buildings, LONDON, E.C.  
MELBOURNE:—456 Collins Street West.



# "Tabloids" of Compressed Drugs.

TRADE MARK.

(Burroughs, Wellcome & Co.)

## THE ADVANCE OF THE NEW PHARMACY.

Physicians and Pharmacists throughout the world have welcomed our improvements in the preparation of medicines, and are offering us every encouragement to continue our work, as was amply shown by the recent correspondence in the BRITISH MEDICAL JOURNAL on the subject of the New Pharmacy."

Successful practitioners now recognise the well-established facts that in the practice of medicine absolute accuracy of dose is of the greatest importance, and that the influence of the mind over the body is such that whims and capriciousness of patients in respect to nauseous and palatable-tasting medicines cannot be ignored. It is well known that patients often deceive their medical advisers by secretly destroying or throwing away medicines of which the taste or appearance is repulsive, and this even in cases where the successful or unsuccessful action of the remedy is a matter of life or death; as a natural result, if the patient die or derive no benefit, the doctor, or the drug, or both, hear the blame.

"Tabloids" of compressed drugs in accurately divided doses greatly lessen the risk of errors by nurses and patients, and afford an unchangeable and acceptable form of administration; at the same time these medicines are so compact and portable that patients travelling or attending to business, professional, or official duties can easily carry them in the pocket without the least inconvenience.

## List of "Tabloids" of Compressed Drugs.

Corrected up to June 15, 1895.

\* Those marked thus may be had beautifully coated with white sugar.

† Those marked thus may be had sugar- or keratin-coated.

Aconite Tinct., 1 and 5 min.  
Aloin, 1-10 gr.  
Aloin Compound  
Alumol, 4 gr.  
Ammon. Bromide, 5 and 10 gr.  
Ammon. Carb., 3 gr.  
Ammon. Chloride, 3, 5, and 10 gr.  
Ammon. Chloride with Borax.  
Antacid (Magnesio-Calcio).  
Antifebrin, 2 gr.  
Antim. Tartrate, 1-50 gr.  
Antipyrin, 2½ gr.  
Antipyrin, 5 gr.  
Morphine Mur., 1-50 gr.  
Arsenic Acid, 1-100, 1-50, and 1-20 gr.  
Atropine Sulph., 1-100 gr.  
Belladonna Tinct., 1, 5, and 15 min.  
Benzosol, 5 gr.  
Bismuth and Soda, 2½ gr. each.  
Bismuth Salicylate, 5 gr.  
Bismuth Subnitrate, 5 and 10 gr.

\*Blaud's Pill, 4 gr.  
\*Blaud's Pill c. Aloin, 1-20 gr.  
\*Blaud's Pill c. Arsenic, 1-64 gr.  
\*Blaud's Pill Co.  
Blue Pill, 3 gr.  
Borax, 5 gr.  
Caffeine Citrate, 2 gr.  
\*Calcium Sulph., 1-10 gr.  
Calomel, 1-10, 1-2, and 1 gr.  
Camphor Comp. Tinct.  
2, 5, & 15 min.  
Cannabis Indica Tinct., 5 min.  
Capsicum Tinct., 1 min.  
\*Cascara Sagrada Ext., 2 gr.  
\*Cascara Comp.  
\*Cathartic Comp., U.S.P.  
Cerebrin, 5 gr.  
Charcoal, 5 gr.  
Chloralamid, 5 gr.  
Chloral Hydrate, 5 and 10 gr.  
Cinch. Tr., 30 min.  
Cinch. Co. Tr., 30 min.  
Cocaine Mur., 1 gr.

Cocaine with Potash and Borax (Voice)  
Copper Arsenite, 1-1000 gr.  
Cretæ Aromat. cum Opio Pulv., 5 gr.  
Cubebs and Belladonna Efferves.  
Cubebs Comp.  
Dermatol, 5 gr.  
Dialysed Iron, 10 min.  
Didymin, 5 gr.  
Digitalis Tinct., 1 and 5 min.  
Digitalin, 1-100 gr.  
Diuretin-"Knoll", 5 gr.  
Dover Powder, 1-4 and 5 gr.  
\*Easton's Syrup, 1-2 dr.  
\*Ergotin, 5 gr.  
Eunonymin Resin, 1-8 gr.  
Exalgin, 2 gr.  
Ferri Sulph. Exsic., 3 gr.  
Gelsam. Semp. Tr., 5 min.  
Gold Bromide, 1-100 gr.  
Guaiacol Carbonate, 5 gr.  
Guaiacum and Sulphur, aa 3 gr.  
Hydrarg., Colocynth., c. Hyoscyam.  
Hydrarg. cum Cretâ, 1-3, 1-2, & 1 gr.  
Hydrarg. cum Cretâ, 1 gr., with Pulv. Ipecac. Co., 1 gr.  
Hydrarg. lod. Ruh., 1-16 gr.  
Hydrarg. lod. Vir., 1-8 gr.  
Hydrarg. Perchlor., 1-100 gr.  
Hydrarg. Subchlor., 1-10, 1-2, & 1 gr.  
\*Hydrastia Comp.  
Hydronaphthol, 3 gr.  
Hyoscyam. Tr., 1 and 10 min.  
Hypnal, 5 gr.  
Ichthyol, 2½ gr.  
Ichthyol Co.  
Ichthyol Pyroctanin Co.  
Iodic Hydrarg., 1-6 gr.  
Iodopyrin, 5 gr.  
Ipecac. and Opium, 1-4 and 5 gr.  
Ipecac. and Squill, 5 gr.  
Ipecac. Powder, 1-10 and 5 gr.  
Ipecac. Pulv. cum Antim. Tart., aa 1-100 gr.  
Ipecac. Vin., 5 min.  
\*Iron and Arsenic Comp.  
\*Iron and Quinine Cit., 3 gr.  
\*Laxative Vegetable.  
Lead and Opium, 4 gr.  
Lithia Carbonate, 2 gr.  
\*Lithia Co. (Mr. Hugh Lane).  
Magnes. Carb. Comp. (Antacid).  
Magnesium Sulphate, 5 gr.  
Manganese Dioxide, 2 gr.  
Medulla, 1½ gr.  
Menthol Comp.  
Morphine Sulph., 1-20 and 1-8 gr.  
Nasal (Dr. Carl Seiler).  
Nasal (Dr. H. Tilley).  
Nasal, Alkaline.  
Nasal, Antiseptic and Alkaline.  
Naso-pharyngeal (Dr. Macnaughton Jones).  
Nitro-glycerine, 1-100 gr.  
Nux Vomica Tinct., 1, 3, and 10 min.  
Opium Tinct., 2, 5, and 10 min.  
Opium, 1-2 and 1 gr.  
Ovarian Tissue, 5 gr.

\*Pancreatin. ("Zymine")  
Papain, 2 gr. (Dr. Finkler & Co.).  
\*Pepsin (Fairchild).  
Pepsin, Bismuth, and Charcoal.  
Pepsin, Saccharated (Wyeth), 5 gr.  
\*Peptonic, 3 gr.  
\*Peptonic (new process).  
Phenacetin (Bayer), 5 gr.  
Pilocarpin Mur., 1-20 gr.  
Pituitary Body, 2 gr.  
Podophyllin Resin, 1-4 gr.  
Podophyllin Co. (Sir William Moore).  
Potash-Mint.  
Potass. Bicarb., 5 gr.  
Potass. Bichromate, 1-10 gr.  
Potass. Bromide, 5 and 10 gr.  
Potass. Chlorate, 5 gr.  
Potass. Chlorate with Borax.  
Potass. Iodide, 5 gr.  
Potass. Nit., 5 gr.  
Potass. Permanganate, 1 and 2 gr.  
Potass. Salicylate, 5 gr.  
Quinine Bisulphate, 1-2 gr.  
\*Quinine Bisulph., 1, 2, 3, and 5 gr.  
Quinine Sulphate, 1, 2, 3, and 5 gr.  
Reduced Iron, 2 gr.  
Resorcin, 3 gr.  
Rhubarb Comp. Pil., 3 gr.  
Rhubarb Comp. Pulv. (Gregory Powder), 5 gr.  
Rhubarb and Gentian (Stomachic Comp.).  
Rhubarb and Soda, 5 gr.  
Rhubarb, 3 gr.  
Saccharin, 1-2 gr.  
Salicin, 5 gr.  
Salol, 5 gr.  
Santonin, 3 gr.  
Soda-Mint.  
Sodium Bicarbonate, 5 gr.  
Sodium Bromide, 5 and 10 gr.  
Sodium Dinitro-salicylate, 4 gr.  
Sodium Salicylate, 3 and 5 gr.  
Spleen Substance, 4 gr.  
Strontium Bromide, 5 gr.  
Strophanthus Tr., 2 min.  
Sulphonal, 5 gr.  
Sulphur Comp. (Sir A. Garrod).  
Tannin, 2½ gr.  
Tar, 1 gr.  
Tar with Codeine.  
Test "Tabloids" (for preparing Thirst. Fehling's Solution).  
Thymus Gland, 5 gr.  
Thyroid Gland, 1½ and 5 gr.  
\*Tonic Comp.  
Trinitrine (Nitro-glycerine), 1-100 and 1-50 gr.  
Trinitrine and Amyl Nitrite.  
Trinitrine Comp.  
Urethane, 5 gr.  
Voice (Potash, Borax, and Cocaine).  
Warburg Tincture, 30 min.  
Zinc Permanganate, 1-8 gr.  
Zinc Sulphate, 1 and 10 gr.  
Zinc Sulpho-carbide, 2 gr.  
Zingib. Fort. Tinct., 5 min.  
†"Zymine" (Fairchild).  
†"Zymine" Comp. (Fairchild).

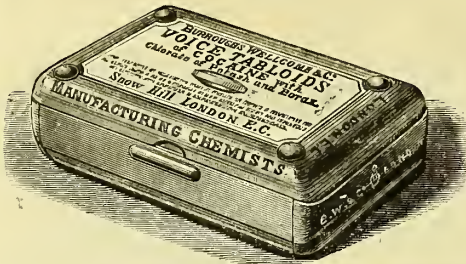
Official Text of Award  
conferred upon  
"TABLOIDS"  
at the Chicago Exhibition.

"For purity of the Medicines used in compounding; for ready solubility of the coating and ingredients of the 'Tabloids'; for the improved method of manufacture, and general appearance of the manufactured article."

Burroughs Wellcome & Co., Snow Hill Buildings, London.

Cable and Telegraphic Address—"BURCOME, LONDON."





## VOICE "TABLOIDS"

COMPOSED OF

CHLORATE OF POTASSIUM, BORAX,  
and a trace of COCAINE.

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## SUMMER NUMBER.

THIS important number of THE CHEMIST AND DRUGGIST will be published on July 27. Circulars and price-lists will be received for insertion in it, and the publisher will be glad to furnish advertisers with all particulars as to size, &c., also to give any assistance in his power in regard to designing, printing, or selection of paper. To secure good positions orders should be placed with him as soon as possible.

## "C. &amp; D." BOOKS.

FOR those entering the trade we have the "Preliminary Examination Guide" (2s.), and for apprentices, assistants, and employers who want to know about British pharmacy laws another book published at 2s. 6d. All about the liability or non-liability of medicines for stamp-duty is told by Mr. Alpe (one of the Somerset House solicitor's staff) in his "Handy-book" (2s. 6d.). No dispensing-counter is complete without "The Art of Dispensing" (3s. 6d.), nor a stock right which has not been tested, as Mr. Procter tells how simply it can be done in his "Pharmaceutical Testing" (2s. 6d.); nor does any agricultural or horsey chemist worth his salt try to carry on his business without "Veterinary Counter-practice" (3s. 6d.). These are books which we publish, and copies of any of them will be sent for the prices mentioned, plus 3d. for postage, or 4d. additional in the case of the dispensing-book.

## Summary.

FIVE cases of poisoning with carbolic acid are reported on p. 820.

A NOTE regarding the Chemists' Co-operative Society is printed on p. 836.

SOME particulars regarding the Java cinchona-plantations are given on p. 823.

THE question as to whether chemists may bottle benzene is discussed on p. 835.

THERE are 28 candidates for 17 vacancies in the Executive of the North British Branch (p. 821).

A NEW general order has been issued regarding the removal of sweetened spirits from bond (p. 819).

A CARDIFF chemist has been censured by a coroner's jury for giving a powder to a sick child (p. 820).

AN official medicine-tariff for retail traders has come into force in Turkey, but there is much opposition to it (p. 834).

MR. WILLIAM MATHER, the plaster-manufacturer, of Manchester, has died from carbolic-acid poisoning (p. 820).

DR. J. H. GLADSTONE discussed the theories of solution at the Chemical Society, last week, without making matters much clearer (p. 825).

A CARGO of opium, which was supposed to have gone to the bottom of the sea, is still on the surface, and its strange history is related on p. 834.

MR. HODGSON, the Hon. Treasurer of the Irish Pharmaceutical Society, wishes to resign the post, but his colleagues are loth to let him go (p. 824).

MR. W. F. WELLS, of Dublin, has had a nasty accident. While in his aerated-waters factory a bottle burst, and severely injured his eye (p. 824).

AN attempt to get a retailer fined, under the Food and Drugs Act, for selling saffron containing 2½ per cent. of "grit and vegetable," has failed (p. 828).

A FEW more letters in regard to cutting, some pertinent remarks about the examinations, and other interesting matters are dealt with in our correspondence columns (p. 847).

NICKEL and zinc were the things that troubled our young analysts this past month. Mr. Moss now gives them some hints as to how they should proceed with such mixtures (p. 818).

A LARGE number of limited companies connected with the drug-trade have been removed from the register, and notice is given of others which will be. The reasons for this are given on p. 831.

C. I. HOOD'S COMPANY have proceeded against a coster for selling 1d packets of saraparilla tablets as Hood's. The coster got the worst of it—seven days, because he had no money (p. 828).

THE British Medical Association's inquiry regarding the frequency with which certain subordinate official preparations are used has yielded some interesting particulars, which are discussed on p. 832.

WE have had a talk with Mr. W. F. H. Pocock, President of the Cape Colony Pharmacy Board, in the course of which he urged the necessity for the home societies promoting reciprocity of certificates (p. 825).

WE have to record this week deaths of a number of gentlemen connected with the drug-trade, including Mr. Duerdin, of Melbourne (which happened suddenly in London), and Mr. William Gann, of Duns (p. 830).

THE Pharmaceutical Society of Ireland are proceeding against the trustees of Fannin & Co., surgical-instrument makers, Dublin, for keeping open shop for selling poisons. The lines of defence put forward by Mr. Campbell, Q.C., are ingenious, and, according to the Society's solicitor, confuse the issues. The Magistrate has reserved his decision (p. 826).





CONDUCTED BY RICHARD J. MOSS, F.C.S., F.I.C.

### QUALITATIVE ANALYSIS.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, not a stamp merely) will be received up to Wednesday, June 19, and the samples will be forwarded immediately.

Students' reports will be received up to Saturday, June 29. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

### REPORTS.

The subject of the last exercise was a mixture of 61 parts of zinc sulphate, 3 of copper sulphate, and 1 of nickel sulphate. Its calculated composition was—

|                  |    |    |    |    |    |        |
|------------------|----|----|----|----|----|--------|
| Cu               | .. | .. | .. | .. | .. | 7.63   |
| Zn               | .. | .. | .. | .. | .. | 13.59  |
| Ni               | .. | .. | .. | .. | .. | 2.10   |
| SO <sub>4</sub>  | .. | .. | .. | .. | .. | 35.03  |
| H <sub>2</sub> O | .. | .. | .. | .. | .. | 41.65  |
|                  |    |    |    |    |    | 100.00 |

The mixture contained, as impurities, a rather considerable trace of iron and a slight trace of chlorine.

Samples of the powder were sent to 55 applicants, and 26 reports of analyses were received. The failures in the detection of the several constituents were:—Nickel 11, zinc 6. In every case copper and sulphuric acid were detected.

In the analysis of a complex mixture containing zinc along with metals precipitable as sulphides in acid solutions a difficulty arises in connection with the acidulation of the solution preparatory to treating it with sulphuretted hydrogen. If too much acid is employed there is some risk of difficulty in obtaining a complete precipitation of a metal such as copper. If too little acid is employed zinc will be thrown down along with the sulphides insoluble in hydrochloric acid. It is not possible to completely precipitate the zinc in this way, but enough may be removed to lead to difficulties and complications. Sometimes when there is not enough free acid present the zinc is not immediately precipitated by sulphuretted hydrogen, but on boiling the filtrate from that reagent, a precipitate of zinc sulphide separates, and may easily be mistaken for sulphur. When there is reason to suspect the presence of zinc, the solution to be treated with sulphuretted hydrogen must be liberally acidulated with hydrochloric acid, and it must not be assumed that the heavy metals have been completely precipitated from this solution until a portion of the filtrate, diluted with an equal volume of water, fails to give any further precipitate with sulphuretted hydrogen.

Nickel usually gives most manifest indications of its presence. Owing to the solubility of the sulphide in

ammonium sulphide the filtrate from that reagent is usually coloured dark brown when nickel is present. It is necessary in accurate work to precipitate the dissolved nickel sulphide by acidulating the solution, before proceeding with the examination for the alkali earth-metals. In this exercise nickel gave another very palpable indication of its presence. When ammonium hydrate was added to the filtrate from sulphuretted hydrogen, the solution, which was yellowish-green in colour, became blue, while the trace of iron present separated as a flocculent reddish-brown precipitate. This change in the colour of the solution, so like the effect a little copper would produce, was due to nickel. Such a change of colour is not easily seen by gas-light, and this is probably the reason why it was not more generally observed, as many of our correspondents are obliged to work at night.

### PRIZES.

The First Prize for the best analysis has been awarded to F. F. A. TUNBRIDGE, 39 Castle Street, Reading.

The Second Prize has been awarded to THOMAS THOMPSON, 2 Milverton Street, S. E.

### MARKS AWARDED FOR ANALYSES.

|                                |     |                              |    |
|--------------------------------|-----|------------------------------|----|
| F. F. A. Tunbridge (1st prize) | 100 | Progrediens (Middlesborough) | 80 |
| T. Thompson (2nd prize)        | 99  | Narcissus                    | 79 |
| Kalistos                       | 98  | Hopeful                      | 78 |
| H. Bridges                     | 97  | 001                          | 77 |
| Ammonium Isolator              | 96  | A. Berry                     | 76 |
| S. D.                          | 95  | Rouze                        | 75 |
| A. W. Jones                    | 94  | Vulean                       | 74 |
| Harold Read                    | 93  | Trichogyne                   | 73 |
| Chromium                       | 92  | T. M.                        | 72 |
| J. F. S.                       | 91  | C. V. Bach                   | 70 |
| J. B. Fancourt                 | 89  | Demosthenes                  | 60 |
| Zircon                         | 87  | Progrediens (Walworth Road)  | 60 |
| Blaud                          | 82  | T. L. Hewitt                 | 60 |

### TO CORRESPONDENTS.

**Prizes.**—The students to whom prizes are awarded are requested to write at once to the Publisher, naming the book they select, and stating how they wish it forwarded.

Any scientific book that is published at a price not greatly exceeding half a guinea may be taken as a first prize.

Any scientific book which is sold for about five shillings may be taken as second prize.

**Note.**—All communications should include the names and addresses of the writers.

**AMMONIUM ISOLATOR.**—No additional marks are given for equations representing the results of the various reactions; it is easy to copy them from books.

**BLAUD.**—Nickel sulphide, especially when precipitated by colourless ammonium sulphide, is rather soluble in ammonia and in ammonium sulphide, to which it imparts a brownish tint. It would appear from your description that in this way you removed most of the nickel from the precipitate.

**PROGREDIENS (Middlesborough).**—You did not use enough ammonium hydrate to dissolve the precipitated zinc hydrate which you mistook for aluminium hydrate.

**NARCISSUS.**—You note that ammonia produced a precipitate when added to the filtrate from sulphuretted hydrogen, but whether it was slight or abundant, or what its appearance was, you did not mention. If it had contained chromium something more characteristic than a borax-bead reaction ought to have been obtainable. The colour of the bead obtained with the original powder was, of course, due chiefly to copper.

**HOPEFUL.**—Nickel sulphide dissolved in ammonium sulphide would account for some of the precipitate produced by sodium phosphate.

**001.**—Nickel sulphide will dissolve in hydrochloric acid if it is strong enough, or in dilute acid with the aid of heat. For the purpose of separating nickel the mixed sulphides should be treated with cold dilute hydrochloric acid, containing not more than 1 part of acid to 5 of water.

**A. BERRY.**—Owing to the way your report was drawn up it was not possible to tell what precipitate or what filtrate you referred to. You seem to have obtained a black precipitate on adding ammonia to the filtrate from sulphuretted hydrogen; if this was the case it was because you had not completely expelled the sulphuretted hydrogen by boiling.

**ROUGE.**—In reporting an oxalate present, you forgot that the powder was soluble in water, and contained metals the oxalates of which are insoluble in water. The precipitate produced by calcium chloride was calcium sulphate.



**VULCAN.**—The sulphuretted-hydrogen precipitate dissolved completely in nitric acid, with the exception of some sulphur, easily distinguished by its appearance. If mercury had been present, you should have obtained it as a sublimate on heating the powder in a tube with a reducing-agent. The experiment you tried probably produced a mixture of mercuric and mercurous sulphates. If the evaporation was conducted on the water-bath, an excess of acid would remain, and on adding water this acid would aid in dissolving the sulphates.

**TRICHOGENE.**—It was improbable that calcium could be present in any quantity in a powder which you found consisted of sulphates and dissolved readily in water. You must have been under some misapprehension as to the calcium reactions you record, or else calcium is contained in quantity in the water or reagents you used.

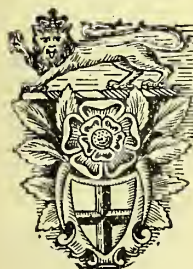
**T. M.**—The powder did not contain a trace of acetic acid or of ammonium. You did not state what solution it was that gave the red coloration with ferric chloride.

**C. V. BACH.**—The presence of lead in a powder containing sulphates and yet readily soluble in water required some explanation, having regard to the fact that lead sulphate is insoluble.

**DEMOSTHENES.**—You describe a number of tests too in much the words of the text-book; we should much prefer a very accurate account of your own observations.

**PROGREDIENS** (Walworth Road).—The salt was soluble in water, so it could not have contained magnesium sulphate and ammonium phosphate.

**T. L. HEWITT.**—You appear to have succeeded in extracting a quantity of chlorine and of ammonia from the powder. Assuming your reagents to be pure, your manipulation must be very careless, or you are not very accurate in recording your observations.



## English News

*The Editor is obliged to correspondents who send local newspapers containing items of interest to the trade. He will be further obliged if such paragraphs be marked in all cases.*

### Robbery at Lynch & Co's.

On June 6 at the Guildhall, before Alderman Sir John Voce Moore, William George Keen was charged with stealing 17. 4s., the money of his employers, Messrs. Lynch & Co. (Limited), druggists' sundrymen, 192 Aldersgate Street. Evidence showed that on June 1 the prisoner was sent to make some purchases and to collect an account. He never returned. On the following Wednesday evening he was seen in Aldersgate Street, and was asked to go in and see the secretary. When charged with the theft, he remarked that he was very sorry; he did not, however, say how he spent the money. Sir John: Has he been long in their service? Mr. Benbow (secretary): He was in our service for six years, and then he left in order to better himself. This he appears not to have done, for a short time since he called and saw our foreman. He told him he had been out of work for a long time, and would be glad of anything. He was engaged, though really what he did might have been done by a boy. Of course, we do not wish to show any vindictive feeling in the matter, but we felt it was necessary to take these steps as a caution to others. The accused pleaded guilty, and Sir John said the prosecutors had been very kind, and he should take into account what Mr. Benbow had said. The sentence was fourteen days with hard labour.

### The Runcorn Alkali-works.

The Runcorn works of the United Alkali Company (Limited) are not to be quite closed after all, a communication having been received by the District Council of the town to the effect that the establishments are to be continued as at present, and that with a revival of trade there was a prospect of extension. It was stated at the meeting that since the making of the Ship Canal Runcorn was as well situated for accommodating works as any place could possibly be. Ores from Spain could be brought direct alongside the works of the United Alkali Company, and fuel could be conveyed to the works under better conditions than ever before.

### The Removal of Sweetened Spirits from Bond.

The following "general order" was issued from the Custom-house, London, on June 1:—

REMOVALS OF SWEETENED, &c., SPIRITS FROM WAREHOUSE FOR EXPORTATION OR SHIP'S STORES. AMENDMENT IN LAW.

Officers are informed for guidance that by the Finance Act, 1895, which has just received the Royal Assent, and copies of which will be circulated in due course, it is provided, in section 8, that "spirits to which any sweetening or colouring matter or any other ingredient has been added in warehouse, and spirits warehoused by a rectifier of spirits for exportation or ship's stores, and British liqueurs, may, if bottled and packed in cases when delivered from a warehouse, be removed, notwithstanding anything in sections 74 and 95 of the Spirits Act, 1830, to another warehouse for exportation or ship's stores."

Merchants or others wishing to avail themselves of this provision are accordingly to be allowed to do so, and officers are to take care that those who are likely to be interested are promptly informed.

### Poisoning with Ammonia.

Mr. George Webb (70), head-master of Burrage Grove Board Schools, Plumstead, a fortnight ago took a bottle from a cupboard under the impression that it contained a mixture he was taking, and swallowed a dose. It turned out to be solution of ammonia; and, after suffering great agony, he died on Friday, June 7.

### Poisoned by Benzoline

At an inquest held by Mr. Braxton Hicks on June 7, regarding the death of a child of 2, the son of an oilman living at 30 Crosby Road, Battersea, who died after drinking some benzoline which his father was using for cleaning a pair of boots, Dr. Pearson stated that benzoline was a very active narcotic poison. The father said he thought people ought to know this. He had been selling the stuff all his life, and did not know it was so fearfully harmful. The Coroner said he had never had a case of the kind before.

### A French Lecture on the Atmosphere.

At the Royal Institution last Friday, June 7, Professor Alfred Cornu, F.R.S., Vice-President of the Paris Academy of Sciences, delivered a lecture in French on "Les Préliminaires Physiques des Hautes Régions de l'Atmosphère." Dr. Edward Frankland was in the chair, and among those present were Lord Kelvin, Lord Rosse, Sir Frederick Abel, Sir Frederick Bramwell, Professor Dewar, Professor Armstrong, Dr. Huggins, and Captain Abney. The lecture was largely experimental, and M. Cornu gave an ingenious reproduction of the "Alpine glow," sometimes seen in the Bernese Oberland: A valley between two peaks becomes filled with hot air under the influence of the sun, and the path of the rays of light reflected from the surface of the hot layer becomes convex as regards from the earth. After sunset the hot air rises and the cool takes its place, thus producing a hot layer of air above a cooler one. The light from the sun is now reflected into a concave ray, which bends down and illuminates the mountain, though the sun is in fact below the horizon. These conditions M. Cornu reproduced to the delight of the audience.

On the Tuesday evening previous to the lecture Professor Cornu was entertained by the members of the Athenæum Club who are members of the Institut de France, either as associates or correspondents. There were present Lord Kelvin, Sir Henry Gilbert, Dr. Huggins, Professor Norman Lockyer, Admiral Sir G. H. Richards, Mr. Sylvester, Sir J. Evans, Sir E. Maunde Thompson, and Mr. Hubert Herkomer.

### Alleged Advertising Frauds.

Charles Henry Matthews, aged 20, and Richard Bennett, aged 46, were charged on remand at the Portsmouth Police Court, on June 7, upon fifteen charges of conspiracy to obtain money by false pretences. They were also charged separately, eleven offences being alleged against Matthews, and three against Bennett. Among the witnesses, Frederick Budd Elwell, chemist, of 79 Albert Road, Southsea, stated that on February 16 last both the prisoners went to his shop, and Bennett said he was the agent of the London and Provincial Advertising Company, at the same time producing a writing-tablet containing advertisements. He said he intended to circulate upwards of 1,200 among the hotels in Portsmouth and on the steamboats. On the strength of



these representations witness gave them an advertisement for one year, for which he paid 10s. 6d., and Bennett handed him a receipt. Evidence of a similar nature was given by a number of other tradesmen in the town, and several witnesses were called to prove that they had not authorised the advertisements to be put on the tablets, thus showing that the advertisements on the tablets were simply dummies. Eventually prisoners were remanded.

#### A Chemist Censured for Counter-prescribing.

An inquest was opened before Mr. Reece, the Coroner for Cardiff, on June 7, touching the death of a child named Arthur Biggs, aged 3 years. The father of the child stated that on the previous Wednesday evening, noticing that the child was ill, he went to Mr. Clarke, chemist, of Coburn Street, for some medicine. He told the chemist that the child was light-headed, and that he thought it had the measles. Mr. Clarke asked if it were feverish; witness replied in the affirmative, adding that its hands were burning hot. The chemist then gave him some medicine, and told him if the child was no better in the morning to go for a doctor. Early on Thursday morning he sent for Dr. McCormick, but when he arrived the child was dead. The doctor would not certify as to the cause of death. The Coroner ordered a *post-mortem* examination of the body to be made, and adjourned the inquiry till Saturday. Dr. McCormick was then called, and said the child had died from acute bronchitis. There were no traces of measles at all. In answer to the foreman of the jury, Dr. McCormick said the medicine given by the chemist could not have done any harm, as there was no evidence of any irritation of the membranes of the stomach. Had he been called in earlier the child's life would most probably have been saved, for it was a strong, healthy child. The evidence of the father having been read over, Mr. Clarke said it was not correct. The father came to his shop on the Wednesday evening and told him he had a child who was feverish and hot, and slightly delirious at times. Witness gave him a powder, and told him that if the child was not better after taking it he was to fetch the doctor, and if there was no improvement in the morning he was not to fail to go at once. The Coroner: That is precisely what the father says. Did the father tell you that the child was suffering from bronchitis? Mr. Clarke: No; but I thought from the symptoms that it was bronchitis. The Coroner said he believed that what the father said was quite true. By his action the chemist prevented the father getting a doctor, and he was very much to blame. Any sensible man must have known from the symptoms described by the father that the child was in a dangerous state. The chemist had no business to prescribe at all. The jury might have found him guilty of manslaughter, and all for the sake of selling his medicine. The jury returned a verdict of natural causes, and added a rider that the parents were to blame in not sending for a medical man. They also thought that the chemist deserved censuring for taking upon himself to give medicine in such a case.

#### Carbolic-poisoning.

On Saturday evening last, Sarah Gibson, the wife of a labourer, residing in Chorlton-on-Medlock, a township of Manchester, wound up a drinking-bout by imbibing two-pennyworth of carbolic acid. The poison was procured from a neighbouring chemist by her stepson, a young lad, who said it was wanted to destroy vermin. After he gave it to his stepmother she sent him out again for some beer, and when he returned he discovered her in the agonies of death. This is the sixth suicide that has occurred in Manchester within a week, and strong remarks were made at the inquest by the Deputy City Coroner, Mr. Snelle, anent the acid not being scheduled.

Much regret was expressed in pharmaceutical circles in Manchester when it became known on Tuesday afternoon that Mr. William Mather had died, as a result of having swallowed a quantity of carbolic acid. The deceased was a comparatively young man, being only 33 years of age, and was well known in almost every part of the country as the manufacturer of "Mather's plasters," and succeeded to the business on the death of his father a few years ago. At the time of his death deceased was staying at his residence, Parkgate, Timperley. At about 4 o'clock on Tuesday morn-

ing he got up and went downstairs, and after staying a short period he rushed upstairs and called to a manservant, who was employed on the premises, "Charlie, I've drank that carbolic." A medical man was immediately sought for, but the poison acted rapidly, and all assistance was in vain, death ensuing a few minutes after Mr. Mather rushed upstairs.

A labourer, named Joseph Walker, on reaching his home in Dolly Lane, Newtown, Leeds, on Monday evening, had to force the door. On going upstairs to the bedroom he was horrified to see his eight-year-old daughter dead in bed and laid out for burial. By the side of the bed lay his wife on the point of death, and near at hand was a tumbler, which had contained carbolic acid, evidently the poison used for committing the double crime. The woman was at once taken to the infirmary, where she died shortly after admission.

An inquest was held at Keswick, on Saturday, touching the death of Annie Elizabeth Fletcher (24), domestic servant, who died from the effects of carbolic-poisoning. Norman V. Swindle, chemist, said that he sold a 6d. bottle of carbolic acid, similar to the one produced, to a young woman on Thursday. She did not say what she wanted it for. He did not ask her. Carbolic acid was not in the schedule of restricted poisons, although it was a strong irritant poison. Dr. Crawford said he found several ounces of carbolic acid in the stomach. A verdict of temporary insanity was returned.

#### A Chemist's Suicide.

The body of a young man named Williams, a chemist, of Notting Hill, was discovered on Monday lying in Bushey Park, near the Hampton entrance, with two empty bottles, that had apparently contained strychnine, lying at his side. The deceased had evidently taken his own life, as a piece of paper was found in his pocket, which said that there was nothing in life worth living for.

#### Where Dalton was Born.

The house at Cockermouth in which John Dalton was born has been marked by the insertion above the doorway of a memorial-stone, bearing the following inscription:—"John Dalton, D.C.L., LL.D., the discoverer of the atomic theory, was born here September 5th, 1766, and died at Manchester, July 27th, 1844." The owner of the cottage, Mr. Joseph Harris, of Calthwaite Hall, has done this thoughtful deed.

#### Cricket.

The South London School of Pharmacy opposed the Central School in a return match on Saturday last at Paddington Recreation Ground. The South Londoners scored 130 (Harries not out, 41, and Plumstead 56), and as the Central School only managed to knock up 36, they returned defeated by close upon 100 runs.

A fine match was played at Willesden Junction on Saturday last between teams representing the firms of Messrs. Barron, Harveys & Co. and Messrs. Burgoyne, Burdidges & Co., resulting in a win for the former by 24 runs. For the winners Messrs. H. Hebden (26), F. Stuchbury (19), and R. K. Harvey (13) batted well. For the losers Mr. Wilkins scored 23. Scores: B.H.C.C., 84; B.B.C.C., 60.

#### A Turpentine Fire.

A few pounds of damages have been incurred by a fire at the shop of Mr. Hothersall, chemist, Standishgate, Wigan. Some turpentine on a gas-stove boiled over.

#### Poisoned with Vermin-killer.

Mary Ann King (35), wife of a coach-painter of Ripon, died on Friday last week from the effects of vermin-killer. At the inquest Frederick Brooks Parkin, chemist and druggist, stated that deceased on Friday came for a six-penny packet of vermin-killer. She signed the poison-book, and in answer to witness said she wanted it for mice, and that the house was overrun with rats. He believed she had been in the shop before for rat-poison. Wm. Dixon Jefferson, surgeon, stated that he made a *post-mortem* examination and found strychnine in the stomach. A large quantity of the poison must have been taken. A verdict of died from



poison taken whilst in an unsound state of mind was returned.

Annie Randell (28), daughter of a labourer, of Shenstone, took a dose of rat-poison on Thursday, June 6, and died the next morning, in spite of medical assistance. From the evidence the jury found that deceased poisoned herself whilst temporarily insane.



*The Editor is obliged to correspondents who send local newspapers containing items of interest to the trade. He will be further obliged if such paragraphs be marked in all cases.*

The Quarterly Preliminary Examination of the Pharmaceutical Society of Ireland will be held on Monday, July 1. The last day for lodging applications will be Monday, June 17.

#### Cheap Bluestone.

The Royal Dublin Society has written to the provincial boards of guardians offering to supply sulphate of copper at greatly-reduced prices to farmers selected by the boards.

#### Business Changes.

Messrs. Woods, Webb & Co., wholesale druggists, Dublin, have completed improvements on their premises in Temple Lane and Crow Street.

Mr. Richard L. Griffin, chemist and druggist, South Great Georges Street, Dublin, has secured extensive premises adjoining his present shop, and is converting both houses into a spacious drug-store.

Dr. Flood's new Medical Hall, Lower Camden Street, Dublin, will be opened in a day or two. It is handsomely equipped.

#### Pay, or be Cut Off.

Messrs. Hamilton, Long & Co., pharmacists, Dublin, and the National Telephone Company have been at loggerheads. The former declined to pay rent for the wires during the period they were broken, owing to the snow-storms in January last, and the latter retorted, "Pay, or be cut off," and, having no alternative, they paid. Other traders were similarly treated, and it is probable that the whole matter will be tested in the law courts.

#### Personal.

Sir James H. Haslett has been appointed a member of the committee formed to organise an Exhibition of Arts and Crafts to be held in Dublin during the coming autumn.

Sir Charles Cameron, Dublin, has been elected Secretary of the Royal College of Surgeons in Ireland.

Mr. Rooke, chemist, has been elected compounder of medicines to the Newcastle West Board of Guardians, *vice* Dr. Cahill, apothecary, deceased.

Mr. John F. Corcoran (not Cochrane, as printed last week) is at present the manager of Atkinson's pharmacy, 1 Charlemont Street, Harcourt Road, Dublin, which was recently purchased by Mrs. Barnes.

#### Photographic Society of Ireland.

At the annual general meeting of this Society, held in Dublin, the report showed a membership of 130. The members were urged to compete at the annual exhibitions. Gratification was expressed at the great success which had attended the meeting of the Photographic Convention of the United Kingdom, which met last year in Dublin, at the invitation of the Photographic Society of Ireland. Professor Scott was elected president; Messrs. Werner and Strangways, vice-presidents; Mr. W. Bewley, hon. treasurer; and Mr. J. A. C. Ruthven, hon. secretary. Messrs. Cosgrave,

Hargrave, Smith, Simpson, and Goodwillie were elected councillors to the Society.

#### New Openings in Belfast.

Mr. Wm. A. Lynass, L.P.S.I., formerly of Mr. Lester's pharmacy, Cork, has taken extensive premises at No. 5 Ann Street, Belfast, and workmen are at present busy transforming what was formerly a provision-store into a neat pharmacy. The situation is central.

Another provision-store at 13 York Street, Belfast, has been taken by Mr. Wm. White, M.P.S.I., who hopes to open before the end of June. It would seem that drugs are more in demand than pork in the Emerald Isle.



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#### Edinburgh Chemists', Assistants', and Apprentices' Association.

The first botanic excursion of the season took place on Wednesday, June 5, when forty-five members assembled at Blackford Hill at 8.30 P.M. A very successful excursion took place, the company walking over the Blackford Hill and along the banks of the Braid Burn, returning to town by Liberton. Among the plants collected was a fine specimen of the comparatively rare *Lychnis viscaria*. The party was conducted by Mr. J. Rutherford Hill.

#### North British Branch.

The meeting of the Scotch members and associates in business of the Society, for the purpose of electing the Executive, is to be held at 36 York Place, Edinburgh, on Friday, June 21, at 12 noon. The following are the names of those who have been proposed for seventeen vacancies:—

1. Anderson, James Grant, 8 Maitland Street, Newhaven, Edinburgh.
2. Aitken, Robert, 73 Princes Street, Edinburgh.
3. Baker, William Charles, 13 Dundas Street, Edinburgh.
4. Bowman, John, 3 Duke Street, Leith.
5. Broomhead, George Emmet, 441 Union Street, Aberdeen.
6. Brown, John, 5 Alvanley Terrace, Edinburgh.
7. Cull, George, 17 Smith's Place, Leith Walk, Edinburgh.
- \*8. Currie, William Little, 223 Byres Road, Dowanhill, Glasgow.
- \*9. Davidson, Alexander, 172 High Street, Montrose.
- \*10. Ewing, James Laidlaw, 52 North Bridge, Edinburgh.
- \*11. Fisher, John Hutchison, 66 High Street, Dunfermline.
12. Garvie, Alexander, 23 Bernard Street, Leith.
- \*13. Gibson, Adam, East Thistle Street Lane, Edinburgh.
- \*14. Hardie, James Miller, 68 High Street, Dundee.
- \*15. Henry, Claude Francis, 1 Brandon Terrace, Edinburgh.
- \*16. Kermath, William Ramsay, 1 North Bell Street, St. Andrews.
- \*17. Kerr, Charles, 56 Nethergate, Dundee.
18. Lothian, John, West Thistle Street Lane, Edinburgh.
- \*19. Lunan, George, 20 Queensferry Street, Edinburgh.
- \*20. McAdam, Robert, 34 Virginia Street, Glasgow.
21. McCowan, Robert Thomas, 8 High Street, Paisley.
22. McLaren, David, 42 South Clerk Street, Edinburgh.
23. Moir, James, 447 Victoria Road, Crosshill, Glasgow.
- \*24. Nesbit, John, 162 High Street, Portobello.
- \*25. Paterson, James, 15 Regent Quay, Aberdeen.
- \*26. Strachan, Alexander, 133 Rosemount Place, Aberdeen.
27. Symington, Thomas, Wardie House, Boswall Road, Edinburgh.
28. Tocher, John, 36 High Street, Dunfermline.

Those marked with an asterisk are members of the retiring Executive, but are eligible for re-election.

#### A Move.

Messrs. Duncan, Flockhart & Co., chemists to the Queen, 52 North Bridge, Edinburgh, are removing from their present shop, which they have occupied for many years, to temporary



premises at 9 Princes Street. This step has been necessitated in consequence of the North British Railway Company having acquired the block known as the New Buildings at the foot of North Bridge in order to build an extensive hotel and offices in connection with the reconstructed Waverley Station. We understand that Messrs. Duncan, Flockhart & Co. have made an arrangement with the railway company whereby they will lease a shop and storage accommodation in the new buildings on about the same site as they now occupy.

#### Edinburgh Chemists' Annual Excursion.

This excursion took place on Wednesday, the place selected for the day's outing being Kinross. The company, which numbered about 100 ladies and gentlemen, left the Waverley Station in saloon-carriages at a quarter-past 10 o'clock, and the journey to Perth, through Glenfarg, was accomplished in an hour and a quarter. Here the company was augmented by representatives of the trade from Perth, Dundee, Kirkcaldy, and Dunfermline, and Mr. Harland, of Messrs. S. Maw, Son & Thompson, London, was one of the excursionists. Embarking on brakes the company drove by Bridge of Earn and through Glenfarg to Kinross. About half-way through the glen a halt was made for the sake of a "snack" in a wood near the roadside. At this time a sharp shower of rain fell, but it passed off quickly and inconvenienced no one. Kinross was reached about 3 o'clock, the drive, which was greatly enjoyed, having occupied about three hours. Dinner was served in the Green Hotel immediately after their arrival. Mr. Peter Boa, President of the Association, occupied the chair, and on his right and left were Provost Beveridge (Kinross), and Mr. Charles Kerr (Dundee), Vice-chairman of the Scottish Executive of the Pharmaceutical Society. Mr. John Bowman was vice-chairman. The enjoyment of the day would not have been complete without a few toasts, and the Chairman, Vice-Chairman, Mr. C. Kerr, Mr. J. R. Hill, and others managed to slip in about half-a-dozen in crisp speeches. Both before and after tea the company had a little time to look around them, and as the weather was by this time quite settled, the opportunity was fully taken advantage of. Those who expected to enjoy a row on Loch Leven, and to have the opportunity of landing on the island on which stands the castle where Queen Mary was imprisoned, met with a disappointment. The day had been fixed for the national angling competition on the loch, and as a result everything in the shape of a boat had been previously engaged. There was plenty of scope for enjoyment round the loch, in the grounds of the hotel, and in Kinross House and grounds, one of the seats of Sir Graham Graham-Montgomery, which were open to the members of the Association and their friends. Eight o'clock, the hour of departure on the return journey, came all too soon, and about an hour after the excursionists were looking forward to next year's outing.

## French News.

**ACADEMY OF SCIENCES.**—At the meeting last Monday M. Chatin read a paper, on behalf of Professor Battandier, of Muslapha, announcing the discovery of a new alkaloid, *boconine*, derived from a plant known as the *boconia*; also of three less important alkaloids—*funiarine*, *cheldidine*, and *cheterethrine*. M. Battandier finds that the red tint noticeable in the roots and branches of the *boconia* is attributable to *boconine*. M. Chauveau drew attention to the researches of MM. Phisalie and Bertrand relative to the action of hypochlorite of lime on snake-venom. They state that, by its action on the surface of a poisonous bite, hypochlorite of lime is often successful in averting fatal results.

**OBITUARY.**—Pharmacy of the north of France has just sustained a loss by the death of M. Eugène Marchand, of Fécamp, who had obtained a well-merited celebrity not only for his scientific knowledge, but also on account of the great interest he had always shown in pharmacy questions.

His career dated from 1841, when he obtained his diploma at the Paris School of Pharmacy. Shortly afterwards he commenced business on his own account at Fécamp, and retired, thirty-three years later, in favour of his son, who died in 1884. In 1869 M. Eugène Marchand published an important work, entitled "Etude Statistique, Economique, and Chimique de l'Agriculture du Pays de Caux," which met with considerable success.

**PRIZES FOR CHEMICAL RESEARCH.**—Amongst the recently published list of prizes to be offered for competition in 1896 by the French Society for the Encouragement of National Industries are some which have interest to chemists, from the fact that they are open to competitors of all nations. A thousand francs is offered in the chemical section for the utilisation of waste products. The best paper on the culture of the vine in France and the influence of the different processes in connection with the vintage will obtain 2,000f, and a similar sum is offered for the best study on the chemical composition of the soil in one of the agricultural districts of France. A stipulation of the competition is that all the papers must be written in French.

**FRIENDS OF SCIENCE.**—There exists in Paris an Association known as the "Société des Amis des Sciences," founded in 1857 by Baron Thenard with the object of assisting needy scientific men or their families. Since its origin a total sum of 1,320,000f. has been distributed. The pecuniary aid given is not considered as a charity, but as a recompense for services rendered to science, and is meant to be considered as an honour to the recipients. The names and the work accomplished by the latter are made publicly known in order that their merit may be recognised. The annual meeting of this Society was held a few days ago in the large amphitheatre of the Conservatoire des Arts and Metiers, Paris, M. Joseph Bertrand, Member of the Institute, presiding, in the absence of M. Pasteur through indisposition. Speeches were made by MM. Bertrand and Ancoc, and M. Gauthier Villars, secretary, read a report of the year's work. The meeting terminated by a discussion, initiated by M. Dehérain, on "The Use of Nitrates in Agriculture."

**INSPECTION OF PHARMACIES.**—The inspection of pharmacies, drug-stores, mineral-water manufactories, &c., is being proceeded with this month throughout the various departments of France, the work being accomplished by a committee of doctors and pharmacists. The control, when properly carried out, is by no means a light matter. Care has to be taken that all persons practising medicine or pharmacy possess the proper diploma. The quality of products sold by grocers, druggists, and herbalists has to be verified. Visits have also to be made to manufacturers and retailers of liqueurs, sweets, &c., as well as makers of mineral waters. Veterinary surgeons must likewise be interviewed, also all persons treating the maladies of domestic animals and using venomous substances. The inspectors are assisted in their operations by the Mayor of the locality or by a police commissary. Secret remedies, pharmaceutical preparations, drugs, and plants exposed or offered for sale contrary to the law are liable to be seized, and the offending parties subject themselves to prosecution.

**MENIER CHOCOLAT.**—A somewhat interesting law-suit concerning the Menier chocolat trade-mark has just terminated in Paris. The plaintiffs were the firm of Menier, composed at present of three brothers—Henri Gaston, and Albert—who succeeded their father in the business. For some time past they considered that a good deal of prejudice had been caused to their trade by a brand of chocolate sold under the name of "Meunier frères." Legal action was consequently taken against the latter, but at their address, Rue Pergolèse, no sign of chocolate or anything else was found. It transpired, however, that the real culprit was a M. Vinay, against whom the firm of Menier had occasion to bring an action a year ago for imitating their trade-mark. At Vinay's works in the Avenue Malakoff the police found a large stock of labels, wrapping-paper, &c., also packets of chocolate ready for sale having exactly the same appearance as the Menier article. In the present law-suit the firm of Menier won their case against MM. Meunier frères and Vinay. The latter appealed, but only to find the decision against them confirmed, they being also condemned to pay the costs of the case and damages.



## Foreign and Colonial News.

**THE JAVA QUININE-WORKS.**—Mr. H. J. Prins, of Bandoeng, Java, one of the chief movers in the scheme for establishing a quinine-factory in Java, has requested permission from the Government to use the power of one of the largest waterfalls in Java, which is quite close to the site of the projected factory, and from which, by means of a turbine, sufficient power could be obtained to replace a 50 H.P. steam-engine, thereby saving 1,800*l.* worth of coal yearly.

**THE AMERICAN WHOLESALE DRUGGISTS' CONVENTION.**—The committee of arrangements for the American Wholesale Druggists' Convention, which is to be opened on September 2 next, at Denver, Colorado, are actively engaged in drawing up their programme. The committee are trying to make such arrangements that the business sessions will be uninterrupted and continuous, and that the entertainments begin after the business meetings are over. The entertainments are to include a tour of the State of Colorado, the beauties of which are most enjoyable in the early autumn.

**PHOTOGRAPHY AT THE FORTHCOMING PHARMACOLOGICAL EXHIBITION AT THE HAGUE.**—The promoters of this exhibition, which will be held in July, have decided to add to it a section for photography applied to botany. The section will be divided into three sub-sections, viz.:—(1). photographs of mounted herbarium specimens, preferentially of medicinal and useful plants, or of flowering native plants; (2) photographs of economic cultures, trees, gardens, and landscapes showing vegetation; (3) photographs of microscopical preparations for botany and pharmacognosy. No charge is made for the display of exhibits. Silver and bronze medals will be given, and all exhibits must be sent in by July 1 next latest. Dr M. Greshoff, 97 Laan van Meerdervoort, the Hague, will be glad to supply full particulars. Dr W. F. R. Suringar, Professor of Botany at the University of Leyden, will act as President of the Jury for Awards.

**PHARMACY IN DENMARK.**—The annual general meeting of the Danish Pharmaceutical Society (Danmarks Apothekerforening) was held in Copenhagen on May 16. The chief point of discussion was whether the passing of the "Abiturienten-Examen" (*Examen artium*) ought to be made a condition precedent to the admission of a candidate to the study of pharmacy. This was affirmed by a large majority. The question of assistants' salaries was also discussed. According to statistics collected by a committee of the Association the average salary of a qualified assistant in Denmark is 1,537 kroner, or 85*l.*, the value of board and lodging being reckoned in this sum at 35*l.* Unqualified assistants receive, on an average, 60*l.*, counting board and lodging as worth 35*l.* A motion was carried affirming the desirability of adopting a fixed progressive scale of salaries for assistants. A proposal to merge the Society's paper into the Norwegian pharmaceutical journal was rejected.

**THE JAVA GOVERNMENT CINCHONA-PLANTATIONS.**—The cinchona bark harvest in the Government cinchona-gardens in Java in 1894 was 590,214 half-kilos., of which 522,051 half-kilos. were Ledgeriana bark, possessing an average yield of 655 per cent. of sulphate of quinine. The total cost of harvesting, transportation to the trade centre of Bandoeng, and other expenses in 1894 were 52,195 florins. The total cost per half-kilo. of producing cinchona-bark in the Java Government gardens and supplying it free to the collecting centre has been:—

| In 1890 .. | Per half-kilo. 22.30 <i>c.</i> , or about 4 <i>d.</i> per lb. |
|------------|---------------------------------------------------------------|
| " 1891 ..  | " 19.15 .., " 3 <i>d.</i> "                                   |
| " 1892 ..  | " 15.87 <i>c.</i> , " 2 <i>d.</i> "                           |
| " 1893 ..  | " 14.29 <i>c.</i> , " 3 <i>d.</i> "                           |
| " 1894 ..  | " 14.71 <i>c.</i> , " 2 <i>d.</i> "                           |

These figures show a remarkable reduction in the cost of production, but it must be remembered that nothing seems to be allowed for the cost of land or capital, and that the figures therefore do not represent the probable cost of production to a private planter. The expenses on the bark in Java from the plantation to ship board are 4*c.* per half-kilo. (= about  $\frac{3}{4}$ *d.* per lb.). The net profit of the Government gardens in 1893 was 18,449 florins on the sale of bark, and 745 florins on that of young trees and seed.

## Australasian News.

THE following notes are based upon information contained in the May number of *The Chemist and Druggist of Australasia*. Copies of this publication (price 6*d.* each) may be had upon application to the Publisher, 42 Cannon Street, E.C.

**A NEW QUEENSLAND DRUG FIRM.**—W. B. O'Keeffe & Co. have started in business at 227 Queen Street, Brisbane, as wholesale druggists. Mr. W. B. O'Keeffe was formerly connected with the firm of Prosser, Taylor & Co.

**PROPOSED DISTILLERY COMPANY IN N. S. WALES.**—A movement is being made in Sydney to establish a distillery with a capital of 50,000*l.*, and a prospectus has been issued. The enterprise would eventually utilise many thousands of tons of now unsaleable grapes. It is proposed to purchase a site of 15 or 20 acres on the Nepean with a view to securing a pure water-supply and having the works as near Sydney as possible. It is suggested that the Government should offer a bonus for the production of the first five or ten thousand gallons of grape brandy or pure Australian malt whisky.

**A NEW CYANIDE-PROCESS.**—Mr. George Thomas Beilby, of South Australia, has patented a process for making cyanides, which consists principally in conducting free ammonia through a smelted mixture of anhydrous alkali and carbon, the cyanide being the result. A public trial of the process was recently given by Mr. H. Kaulsen, M.E. In the apparatus used, ammonium hydroxide was passed into continuously-heated water at a temperature of 94° C., the steam passing off into a still for condensation and return, and the liberated ammonia, after drying, being conducted to an iron retort containing a fused mixture of caustic potash and carbon, from which the charge was drawn off and the cyanide purified. The slag, or crude cyanide, contained as much as 70 per cent of cyanogen. [KCN is probably meant.—ED.]

**UNREGISTERED PHARMACISTS AT BROKEN HILL.**—At the last meeting of the Pharmacy Board of New South Wales a letter was read from Mr. Oswald Lower, of Broken Hill, on behalf of the unregistered pharmacists in that town, pointing out that although pharmacists fully qualified in other colonies must qualify afresh in N. S. Wales before they are allowed to retail poisons, yet any unqualified person is permitted to sell strychnine in packets if required for the destruction of vermin. The writer therefore asked for registration for himself and those on whose behalf he acted. The letter had been sent to the Board of Health, and was referred to the Pharmacy Board for consideration. The Chairman (Mr. Bellemey) pointed out that the letter contained misstatements. It was not correct that anyone could sell poisons; no person, unless registered, was allowed the privilege. It was ordered that a reply be sent to the effect that the letter contained statements which were not in accordance with facts, and that the Board had no power to grant the registration desired.

**SUBSIDISING A JOURNAL.**—At the monthly meeting of the Council of the Pharmaceutical Society of New South Wales on March 19, Mr. Brothwood (one of the six members present) said he desired to bring under the notice of the meeting the languid condition of the *Pharmaceutical Journal of New South Wales*. The old company, which had failed to carry on that paper successfully, had been voluntarily wound up, and the journal was now being conducted by himself and Mr. Butcher, who had given the bank security to the extent of 180*l.* The expenses exceeded the income, and they were quite unable to pay off any of the old liabilities. It was almost useless to expect to have a journal for their own members unless it were officially subsidised. He therefore suggested the wisdom of the Society giving a subsidy sufficient to enable them to continue it. They could not possibly carry it on unless something were done. After a long discussion, the Council decided to give a subsidy of 50*l.* a year to the conductors, but as the Society itself only numbers 150 "financial" members (of whom 10 per cent. summoned up sufficient energy to attend the annual meeting on March 26 when the subsidy was confirmed), the debility of our contemporary is not apparently a source of much anxiety to those for whose benefit it is published.



## Pharmaceutical Society of Ireland.

THE Council met on Wednesday, June 5, at the Society's House, 67 Lower Mount Street, Dublin. The President, Mr. William Hayes, was in the chair; and the other members of the Council present were the Vice-President (Mr. Beggs), and Messrs. Murray, Lyons (Belfast), Ryan, Bernard, and Conyngham.

### RESIGNATION OF THE TREASURER.

THE PRESIDENT said that since he came into the room he had received a letter from Mr. Hodgson, who had so faithfully performed the duties of Treasurer of the Society since its institution, resigning that office and also membership of the Council.

THE REGISTRAR read the letter which referred to the steps that were taken to organise the Society in 1875, and stated that the writer had been annually elected Honorary Treasurer since that date, and that as the Society had now a well-furnished house of their own, a fully-equipped school, and nearly 1,000% invested, he felt that he had done his work. Mr. Hodgson concluded his letter by thanking the Council for the courtesy which he had always experienced. He would continue to take a deep interest in the Society.

THE VICE-PRESIDENT said that the resignation of Mr. Hodgson would be an irreparable loss to the Society, and moved that he be requested to reconsider his resignations; even if he should find it inconvenient to attend all the monthly meetings, they would be happy to retain his name as their Treasurer.

MR. MURRAY seconded the motion.

THE PRESIDENT, in putting the motion, said that he had been intimately acquainted with Mr. Hodgson for nearly forty years. In 1856 he went to serve his apprenticeship with him at 121 Capel Street, and ever since they had been on terms of friendship. He worked with him for the establishment of the Society in 1875, and the success of the efforts for that purpose was largely due to Mr. Hodgson, who had taken the greatest interest in the work of the Society. His position as Treasurer involved a great amount of labour. He (the President) trusted that Mr. Hodgson would yield to the earnest solicitations of the Council and reconsider his resignations, or, at all events, continue to be a member of the Council, and come there as often as he could. He (the President) had so little leisure time to devote to the duties of the office which he at present filled that he was contemplating an application to them to be relieved from its responsibilities; but he would not say more on that subject until the next general elections.

MR. CONYNGHAM said they might ask Mr. Hodgson not to resign the office of Treasurer, at all events, until the close of the present financial year.

The motion of the Vice-President was then put, and carried unanimously.

### ACCIDENT TO MR. WELLS.

THE PRESIDENT said they had all, doubtless, heard of the lamentable accident which befel Mr. Wells, one of their most active members, since the last meeting. He was standing in the room in which his soda-water machine was, when the cylinder burst, and he sustained a severe injury to one of his eyes. He was being attended by Surgeon Wheeler and Mr. Fitzgerald. He was progressing favourably, and his medical advisers had hopes of being able to save the injured eye.

On the suggestion of the VICE-PRESIDENT, the Registrar was instructed to write to Mr. Wells, expressing the Council's deep regret at the accident.

### CORRESPONDENCE.

Letters were received from Mr. Bremridge, 16 Bloomsbury Square, W.C., regarding the recognition of the Irish Preliminary examination; from the Local Government Board of Ireland, acknowledging a letter from the Council calling their attention to the fact that in certain poor-law unions of Ireland the guardians were in the habit of appointing grocers as contractors for the supply of medicines to their workhouses. The Board had asked the Council to name

the unions to which they referred, and their last letter stated that they were already aware of one of the unions pointed at, and had communicated with the guardians on the subject.

The Paving Committee of the Dublin Corporation declined to substitute wood for stone pavement in the street in front of the Society's house, which is necessary, because the examinations have been often interrupted by the noise in the street.

Letters were also received regarding legal matters. In one of these Mr. J. M. Whelan, solicitor, of Roscommon, referred to two prosecutions pending there for the unlawful sale of arsenic in

### BIGGS AND COOPER'S SHEEP-DIP.

Mr. Whelan stated that one of the defendants, Mr. Daniel Walsh, apologised for the sale, and said that since he opened business he had only got one dozen packets of Cooper's dip, and as three-quarters of that quantity remained unsold he had returned it.

MR. BERNARD: I propose that we accept his apology on his paying the costs up to date.

MR. MURRAY: When his case is called on in court his apology can be read, and the Society can then consent to withdraw the summons on his paying the costs.

THE PRESIDENT: He was ready to submit in the first instance, and he deserves more consideration than if he opposed us.

It was agreed to instruct Mr. Whelan accordingly, and to authorise him to act in other cases.

### POISON SALES DIRECT FROM GREAT BRITAIN TO IRELAND.

A letter was read from Mr. Alexander Robertson, chemist and druggist, Oban, N.B., acknowledging the receipt of a letter from the Registrar returning a patent-specification of "Scab-wash," and proceeding as follows:—"I note what you say about scheduled poisons only being legally sold by registered persons. You have, however, missed the point of my inquiry, which was to find out whether there is any exception in the Pharmacy Act (Ireland) in the case of patent medicines in virtue of which they do not come under the restrictions of the Act. I read the 31st clause in this sense, but am not sure how this clause is affected by the amendment to the Act, which does not mention patent medicines. I would also be obliged by your informing me whether I, who am not registered in Ireland, can send poisons retail to Ireland, and, if so, whether, if I send a traveller to Ireland who is not a chemist at all, he could sell to the consumer direct any preparation containing poison, the goods going direct from my place here to persons purchasing. I want to respect the law, and yet I want to get all the privileges the law allows; hence my troubling you with these questions."

It was ordered that Mr. Robertson should be informed that his first question could only be answered by an action at law; and that the answer to his second was that no person except those registered under the Irish Acts could sell in Ireland any scheduled poison.

### MORE LETTERS

were then submitted, including communications from the Constabulary regarding sales of laudanum and saltpetre (for Glauber's salts), and from Mr. James McWalter regarding the questions he had got Mr. T. M. Healy to put to Mr. Shaw-Lefevre as to the eligibility of Irish pharmacists for poor-law, &c., dispenserships in England.

Donations from the Victoria Pharmaceutical Society and the American Pharmaceutical Association were received and acknowledged.

Mr. N. J. N. Jackson, of Clifden Lodge, Merrion, Dublin, was admitted a member.

**MEDICINES IN CHEFOO.**—Among the exports from Chefoo medicines call for a word of remark, as they represent 674 tons of cargo, worth 16,400*l*. In this are not included liquories, of which some 320 tons were exported. Apart from this the principal vegetable drug is the twig of the "sha shén" (*Adnophora verticillata*), a favourite Chinese remedy for colds and catarrh. There are both wild and cultivated varieties of it. It costs about 4*d*. a pound in Chefoo.



## Chemical Society.

A WANING session, a thin audience, and a summer night are perfectly in accord, and that was the state of affairs at the Chemical Society last week. The first business was in regard to

## THE COMPOUNDING-FEE.

This at present is 20*l.*, and does not pay the Society. So on June 20 there will be an extraordinary general meeting of the Fellows, at which the alteration of By-law I. will be proposed—viz., to raise the fee to 30*l.*, except in the case of those who have been Fellows for ten years, who will pay 20*l.*, fifteen years 15*l.*, twenty years 12*l.*, and twenty-five years 10*l.* This matter disposed of, Mr. Vernon Harcourt called upon Dr. J. H. Gladstone to give a *résumé* of the paper communicated by him and Mr. W. Hibbert. This paper bore upon the

## THEORIES OF SOLUTION,

although its title was "The Molecular Refractions of Dissolved Salts and Acids." As far back as 1870 Dr. Gladstone asserted that molecular refraction is not altered when a salt is brought into solution. This statement appeared so bold that the British Association appointed a committee to investigate it, with the result that it was confirmed. There has since been much controversy about the condition of salts in solution, and the ionisation theory has taken definite shape. The latter is quite opposed to Dr. Gladstone's statement, for it assumes that solid molecules when dissolved break down into smaller molecules, or even into the ions or atoms of the molecular constituents. It will be obvious to anyone who has studied optics that the refraction of a ray of light passing through a salt in different conditions will vary according to the condition. For example, if we have (1) a pure liquid hydrochloric acid, (2) a solution containing molecules each, say, 8HCl, and (3) one in which each molecule is HCl, we should find on experiment three molecular refractions, or if the solutions of the acid contain exactly the same molecules as the pure acid (1), then the molecular refraction will be the same. This is the basis of Gladstone and Hibbert's experiments. They took fifteen salts or substances which in the pure state have but one index of refraction, and observed the refraction (1) in the pure state, (2) in saturated solution, and (3) in dilute solutions. They compared the results with other phenomena or physical measurements, such as magnetic rotation, and they came to the following conclusions:—

(a) Haloid acids and salts in the pure state or saturated solution exhibit the same specific refractive energy, but on dilution an enormous change takes place, refraction increasing suddenly and greatly until a point is reached when no further change takes place. [This is a corroboration of the ionisation theory.]

(b) Sulphates show no change at all.

(c) Nitrates exhibit a slight decrease.

(d) Acetic acid shows a decided but not great rise in refractive power on the addition of a little water.

Incidentally it was proved that ammonia does not behave as a metal.

This is merely a description of the communication. It involved much speculation as to theories of solution, but it is obvious that it leaves us as we were, and this seemed to be the opinion of experts—Professor Edward Hart, of Lafayette College, the editor of the *American Chemical Journal*, Mr. Pickering, and Dr. Perkin, sen., not venturing to say anything more about it than what was complimentary. Then followed Mr. Pickering with his paper on a comparison of some properties of

ACETIC ACID AND ITS CHLORO- AND BROMO-  
DERIVATIVES.

It would be folly to attempt to describe this without the figures, and we need only say that the author has by the freezing-out process obtained four modifications of monochloroacetic acid. The tables of figures gave Mr. John Newlands the opportunity of calling attention to some periodic peculiarities in the figures, and this in such a pleasant way that the Fellows went up to the coffee-room smiling.

## Cape Colony Pharmacy.

## A CHAT WITH THE PRESIDENT OF THE PHARMACY BOARD.

WE had a pleasant chat the other day with Mr. William F. H. Pocock, pharmaceutical chemist, Cape Town, the President of the Cape Colony Pharmacy Board, who called at 42 Cannon Street, to say "How d'ye do?" on his arrival in England. He has come home for a short holiday to renew old acquaintanceship, and see for himself how examinations are conducted in the United Kingdom, and in France, Germany, and Holland; and to aid in the latter mission he has credentials from the Cape Government, which seems quite alive to the importance of keeping pharmaceutical qualifications in the colony on a par with the leading European standards. Mr. Pocock is not a stranger to our shores, for though he was born and brought up in Cape Colony, he came over to England as a youth to get the English qualification, and after studying under Dr. John Muter he took the Major diploma in 1879, when he had just attained his legal majority. Mr. Pocock is a partner of the firm Pocock & Co., Cape Town, and has taken an active part in local municipal affairs there, having for several years been Mayor of Rondebosch. In pharmaceutical matters he has taken no less an interest, and it is largely due to his energies that pharmacy received such ample recognition in the Medical and Pharmacy Act passed by the Cape Legislature in 1891. He was at once appointed a Government nominee on the Pharmacy Board, and his colleagues made him their President, an honour which they have recently renewed for a second term of three years.



Mr. Pocock told us that the Act is working very well, and the Pharmacy Board, which includes a medical member, works in excellent harmony, and is doing good work, the standard of qualification ensuring the efficiency of those practising pharmacy. Under the Act medical men are allowed to dispense medicine for their own patients, but not to keep open shop as druggists. There is an exemption in regard to certain practitioners who held a drug-licence before a certain date prior to the passing of the Act, and this has given rise to some misunderstanding, especially as some who have come on the field since are anxious to open shops. Mr. Pocock has broad views in regard to this matter. He feels that the recognition by the Legislature of the special claims of trained pharmacists is important, and a privilege which registered men should not forego; but there may be occasions when some relaxation would be justifiable, as in a new up-country district, where there may be room for a doctor, but not for a chemist. That matter will, however, adjust itself.

Mr. Pocock, from personal experience of English pharmacy, follows closely the attempts which have been made by the Pharmaceutical Society of Great Britain to get the Pharmacy Act amended, and he asked us the outcome of the latest attempt, which has been abandoned since he left Cape Town. He is of opinion that the home authorities should as soon as possible seek reciprocal powers in regard to qualifications, for, as he points out, the future of the colonies greatly depends upon the conditions of practice being as far as possible identical in the whole of the British Empire. He points out that all that our pharmaceutical societies at home require to do is to get the powers to accept certain other qualifications than their own, as is done in regard to the Preliminary, and no certificate need be accepted which does not represent an examination equal to the home one. Of course, Cape Colony, in common with all British colonies, recognises the British and Irish certificates, and if such recognition were not extended, the result would be awkward for those who emigrate. Reciprocation is not claimed upon this basis, but because of the imperial importance of harmony between England and her colonies; and Mr. Pocock feels that the pharmaceutical authorities at home should give this matter some consideration.



## Legal Reports.

### SALE OF POISONS IN IRELAND.

#### THE RIGHTS OF TRUSTEES.

ON Thursday, June 6, in the Southern Divisional Police Court, Dublin, before Mr. Swift, Divisional Magistrate, Mrs. Margaret Fannin and Mr. Richard W. Booth, trading as Fannin & Co., surgical-instrument makers, 41 Grafton Street, Dublin, were the defendants in three summonses at the suit of the Pharmaceutical Society of Ireland, charging them with having on February 12 and 13 and March 15 unlawfully sold to Mr. G. A. Phillips, the Inspector of the Society, poisons—viz., corrosive sublimate in antiseptic tablets, morphine in hypodermic tablets, and bichloride of mercury in tablets—contrary to section 30 of the Pharmacy Act (Ireland), 1875, they not being properly qualified to do so.

Mr. Robert K. Clay, solicitor (Messrs. Casey and Clay), appeared for the Pharmaceutical Society, who were further represented on the occasion by their President, Mr. William Hayes, and their Registrar, Mr. Arthur Ferrall. Mr. James Campbell, Q.C., and Mr. Frederick Fleming, instructed by Messrs. Goodbody & Tisdall, solicitors, appeared for the defendants.

On the case being called, Mr. Clay said: Mr. Campbell and I have arranged to take the facts as admitted, and to go on to the question of law.

Mr. Campbell, Q.C.: We admit that in the words of the summonses we kept open shop on the days named and sold these poisons.

Mr. Clay said under the circumstances he need only call the attention of the Magistrate to section 30 of the Pharmacy Act (Ireland), 1875, which enacts that "it shall be unlawful for any person to sell or keep open shop for retailing, dispensing, or compounding poisons within the meaning of the Act, 33 and 34 Vic., chap. 26 (the Sale of Poisons, Ireland, Act), or medical prescriptions, unless such person be registered as a pharmaceutical chemist under this Act."

Mr. Campbell, Q.C., said his defence was that his clients, Messrs. Fannin & Co., were within the spirit, if not within the letter, of the exceptions mentioned in the Act of 1875, which, it was said in the House of Lords, was drawn in such a way that it required greater ingenuity than any existing lawyer possessed to understand, and also in the amending Act of 1890. For many years before 1875 the late Mr. Thomas Eustace Fannin carried on business at the house mentioned, in Grafton Street, as a surgical-instrument maker, that being his substantial business, and he carried on a subsidiary business as surgical hookseller and druggist. His business was precisely the same as that which was carried on there at present. He died in 1888, and by his will directed that his two trustees—one of whom was the defendant, Mr. R. W. Booth, a member of a firm of mechanical engineers in Stephens Street, and the other was his widow, Mrs. Fannin, the defendant, a sister of Mr. Booth—should keep the business going, until the younger of his two sons should come of age, and that then it should be handed over unconditionally to his two sons. During Mr. Fannin's lifetime he had as the manager of the portion of his business which required the knowledge of a surgeon and physician Dr. Whittaker, who remains manager of the business and receives a share of the profits, so that in a legal sense, as between himself and the two sons, he was a partner. So far back as July, 1894, the Council of the Pharmaceutical Society were informed that Dr. Whittaker was qualified to keep the shop open, and yet with that knowledge they held their hand until the present month. Counsel then proceeded to comment upon section 31 of the Act of 1875, contending that, as far as the sale of poisons is concerned, any person who was in business as a chemist in 1875 is entitled to continue that business, and to continue to sell poisons. No change was made in that by the Act of 1890. As Mr. Fannin died in 1888, and did not require to be registered during his lifetime, on every principle of reason and fair-play that section of the Act of 1875 ought to apply to his trustees, as provided by section 32 of the Act. Section 30 of the same Act contained a proviso that nothing in it should

affect "any person who should have been registered as a legally qualified medical practitioner before the passing of the Act, or who should be registered as a legally qualified practitioner after the passing of the Act, and who, in order to obtain his diploma, should have passed an examination in pharmacy." It would be proved that Dr. Whittaker did that; and ever since Mr. Fannin's death he spent his time from morning till night in charge of this business, which was thus carried on under his personal superintendence. Apart, therefore, from the strict law of the case, it seemed curious that the Pharmaceutical Society should take an extreme measure of this sort against a firm of known respectability thus conducted. The Council of the Society appeared to be under the idea that the words of the section of the Act of 1875 which made Dr. Whittaker a competent person to sell poisons without being registered were repealed by section 15 of the Act of 1890, which made it "unlawful for any person to sell poisons unless such person shall be registered under the Act as a chemist and druggist or registered druggist." Section 23 of the Act of 1890 enacted that it and the principal Act (of 1875) should be read together and construed as one Act. Counsel then referred to section 60 of the 1890 Act, and maintained that the introduction of subsection 4 implied that the exceptions contained in the principal Act remained. So far as the public safety was concerned, there was no ground of apprehension on the score of the way Messrs. Fannin's business was carried on.

Mr. Swift: Does the coming of age of the younger son make any difference?

Mr. Campbell, Q.C.: They are both qualifying as doctors. All questions will be got rid of in a month, for the trustees are turning this concern into a limited company, and the House of Lords has decided that none of these Acts apply to limited companies. They have decided that the English Pharmacy Act of 1868, having regard to the personal provisions which it contains with respect to registration, never could have been intended to apply to corporations. That is why places like the Army and Navy Stores are allowed in England to carry on the sale of these drugs. He (counsel) submitted that the case of his clients was directly within the equity to which he had called attention. On another ground he submitted that this prosecution could not be sustained. The House of Lords had decided that the word "person" meant an individual only, and did not include corporations. Supposing that Mr. Fannin, instead of leaving his business to trustees for the benefit of his sons, had left it to daughters, who, not being able themselves to pass examinations and get registered as chemists, appointed a qualified manager such as Dr. Whittaker, he respectfully submitted that the Acts were never intended to hit a case of that sort. His clients, he contended, carried out the law so long as they abstained from exercising any control over the business, which they had placed in the hands of Dr. Whittaker. Counsel cited the case of the Pharmaceutical Society of England v. the London and Provincial Supply Association, 5th Appeal Cases, page 861, in support of his argument, narrating its history, which is well known, and was quoting Lord Selborne's remarks, when

Mr. Clay asked, What has this to say to the present case?

Mr. Campbell, Q.C.: That is for Mr. Swift. This Act does not apply to any aggregate of persons. I do not think there is an establishment in Dublin in which lady members have not an interest in the business; but, according to the contention of the prosecution, if there be a lady, child, or relation of a deceased proprietor having a share in a business they would have no right to sell poisons because they could not become pharmaceutical chemists. That is what it comes to. Counsel then read Lord Selborne's judgment, and continued his argument based upon the House of Lords' judgment that women and young children are not "persons" within the meaning of the Act; therefore, as legatees, they are beyond the scope of the Act, and could employ a qualified person to do the work for them in the same way as a corporation did. He contended, moreover, that the Act was not to be extended to a case like the present, where it would be conceded that the Pharmaceutical Society would not admit Mrs. Fannin for examination as a pharmaceutical chemist even if she should tender herself. If the business had been left to the two sons without any trust, what could they do? The regulations required that they should be of a certain age before presenting themselves for examination.



Mr. Swifte: Is there anything in the Act excluding women from becoming pharmacists?

Mr. Campbell, Q.C., did not know whether any regulations had been made or not with regard to women. If Mr. Fannin had been registered his executors could carry on the business, provided they got a qualified assistant; but because he was not they would not let him. But Mr. Fannin was qualified by virtue of the exception in favour of druggists existing in 1875; and no registration was required until the Act of 1890, which was passed two years after his death. There was a Scotch case contained in a book called "Pharmacy and Poison Laws," which was published from the office of THE CHEMIST AND DRUGGIST. It was a case that occurred in June, 1887, and in which the Pharmaceutical Society of Great Britain proceeded against seven partners, carrying on business in Edinburgh, for selling poisons; and it went to the House of Lords,\* who followed the decision in the London Provincial Supply Association. The way in which these poisons came into Messrs. Fannin's business was this. They had a large trade with the medical profession in surgical instruments and appliances, and also in the supplying of nurses; and when the doctors and nurses went out to certain cases they required certain antiseptic medicines, and the firm kept these medicines to attract customers just as stationers liked to sell postage-stamps. Counsel submitted that under the circumstances of the case the summonses should be dismissed.

Mr. Clay admitted the will of Mr. Fannin in evidence.

Dr. John Minchin Whittaker, examined by Mr. Campbell, Q.C., said he was a licentiate of the Royal Colleges of Physicians and Surgeons of Edinburgh since July, 1880. He had passed an examination in pharmacy.

Mr. Clay: He must produce a certificate of having done so.

Mr. Campbell, Q.C.: Show me anything better than the gentleman's oath.

Mr. Clay: If he has a diploma I call on him to produce it. The witness said his diploma was not in court.

Mr. Campbell, Q.C., read from the Medical Register Dr. Whittaker's name and qualifications.

The witness, in reply to further questions of counsel, said he had been in Messrs. Fannin's establishment since 1864, and down to the late Mr. Fannin's death. He had never left the establishment since, and he had sole control of it, giving to it his entire time during business hours. Since 1888, and before that, he had had, in addition to a fixed salary, an interest in the profits.

When you went there first was the business carried on in the same way in which it is at present?—Well, I was only a boy; I could not answer that definitely. The business was carried on at that time just in the same way, but the materials in question were not brought into use at that time.

But others drugs were?—Other drugs in a small way. The business has been substantially the same up to the present, only that it has become more extensive.

With regard to these particular drugs, is your business confined to doctors and nurses?—It is mostly. Practically it is.

They come there for other purposes?—For other goods.

Cross-examined by Mr. Clay: Did you ever take out a diploma in pharmacy?—Not alone.

I will put it in three ways—first, as a registered chemist and druggist?—Certainly not.

Secondly, as a licentiate of the Apothecaries' Hall of Ireland?—I am not.

Thirdly, can you produce any certificate or diploma that you passed an examination in pharmacy?—I believe so.

Where is it?—The certificate in pharmacy I don't believe is there, but I believe I have it at home. I took out the course of pharmacy and got the certificate from a gentleman who was a licentiate of the Apothecaries' Hall.

Mr. Clay: That is not evidence. If you have a certificate, you must produce it.

Witness: It was necessary that I should have a certificate of a three months' course of pharmacy. There was no such thing in the College where I studied, and therefore I had to go to a qualified man outside, who had a medical establishment in Dublin; and I got his certificate, which I believe I possess.

Then you passed no body of pharmaceutical examiners?—

I passed the College of Physicians in Edinburgh, which includes it.

You did not sell these tabloids yourself?—I do not think I did.

They were sold by an unqualified assistant?—Certainly. There is no one else qualified there but myself.

Mr. Campbell, Q.C.: That is not what they are going on here. If that is what they are going on, the person whom they should have made amenable is the person who made the sale; that is established by a host of decisions. What they have done is to summon us under another section, making it an offence to keep open shop for the sale of poisons.

Mr. Clay: If you had confined yourself to this case, instead of going into the case of a limited company which has no existence yet, I would not have gone into this matter. Mr. Campbell's case is that this shop is perfectly conducted—that this gentleman is always there for the sale of poisons. I want to test how this business is managed in the interest of the public. Now it comes out that this qualified gentleman is not there to dispense these poisons.

Mr. Campbell, Q.C.: No; your emissary that you sent there would not go to him.

Mr. Clay (to witness): If you sell only to doctors and nurses, how did you sell to our innocent inspector?—I should have said that practically that is all we want to do.

But the general public come in, and it is sold to them?—As a rule they must bring an order from a doctor.

I believe it is admitted that the late Mr. Fannin was not registered?—He was not.

Did you ever sell any of these antiseptic tabloids before 1880?—That is fifteen years ago. I could not tell you from memory. Mr. Hayes might tell you when they came out.

Is it more than four or five years ago?—More, I should think. I could not tell from memory when these preparations came out.

You say you are a partner?—I did not swear anything of the sort.

Mr. Swifte remarked that these sales took place three months ago, and that the prosecutors had been rather tardy.

Mr. Richard Booth, one of the trustees, deposed that since the death of his brother-in-law the business had been under the exclusive control and management of Dr. Whittaker.

Cross-examined by Mr. Clay: When he is away is there any qualified person in the shop?—The usual assistants in such houses.

Are they qualified?—For what purpose?

For selling poisons?—No.

The evidence having closed,

Mr. Clay addressed the Bench on behalf of the prosecution, and said Mr. Campbell had remarked that it was a strange thing that a Society created for the protection of the public should attack such a respectable firm as the Messrs. Fannin. But the Magistrate was aware, from his judicial experience, that the Society was no respecter of persons, and that they had brought the humblest as well as the highest traders there whenever they had thought it their duty to institute proceedings. If they had passed over the Messrs. Fannin, the outcry would have been raised against them that they only attacked those who were weak and not able to defend themselves. Another observation of Mr. Campbell was that the Society had slept on the correspondence. But they endeavoured to get an undertaking from the defendants not to sell these things, but the latter armed themselves with legal advice, and finally decided to sell the scheduled poisons; and it was not until February 12 that the Society were able to succeed in buying one sample of the poison. The purchases on February 13 and March 15 showed that the defendants were acting on the advice they had got. He would not follow Mr. Campbell's argument about imaginary limited companies, but would deal with the case under the 30th section. Here were two unqualified persons selling poisons in violation of that section. The offence had been, in fact, admitted, and his Worship could not take into consideration what the defendants were going to do, in order to evade the law, by starting a limited company.

Mr. Swifte: I cannot, of course, consider what they are going to do.

Mr. Clay said he would not follow Mr. Campbell's argument founded on the House of Lords' case, which was a totally different case from the present, or discuss what the

\* High Court of Justice, Edinburgh. See *P. & P. L.*, p. 80.—Ed. C. & D.



defendants were going to do when the youngest Mr. Fannin came of age. It was admitted that his respected friend Mr. Booth and Mrs. Fannin were not registered under either the 30th section of the Act of 1875 or the 15th section of the Act of 1890. Was there, then, any defence in this case at all? He submitted that there was not. The defendants had kept open shop under section 30 and sold poisons under section 15. He admitted that there was no more respectable firm than that of the defendants; still, their management was not all *couleur de rose*, because it appeared that these poisons were sold by unqualified persons while Dr. Whittaker was not there. Mr. Campbell had relied upon section 32 of the Act of 1875, but it was really dead against him, because it only empowered the executors and trustees of deceased registered persons to continue their business with the aid of a qualified assistant, who should also be registered. Dr. Whittaker had to admit that he was not a qualified assistant within the meaning of that section. No matter what were his qualifications as a physician and surgeon, it did not do when he was not registered as either a pharmaceutical chemist or a druggist under the section. Mr. Campbell had dwelt strongly on the *bona fides* of the case. This Society was no doubt a small body of persons, but they had to protect not only the entire trade, but the entire population of Ireland. These poisons were not sold in the late Mr. Fannin's time; they were not heard of then. Dr. Whittaker would not say that they had been more than five or six years invented. The House of Lords' case which had been relied on by Mr. Campbell proceeded on a section of the English Act which imposed no penalty. The action there was only a civil one in the County Court or the superior Court. In the present case the summonses were under a section of a penal character. As to the question about corporations, it was the intention of the Society to raise it as soon as they could, and get the law about limited companies, in order to have a final decision as to whether fathers and brothers or sisters and aunts could form themselves into limited companies and sell poisons. But that case had nothing to do with the present; and he asked his Worship to impose the usual penalty for each of the three offences.

Mr. Swifte said the case was one in which he must reserve his judgment. He would give it on that day three weeks.

#### HOOD AND THE COSTER.

ON Friday, June 7, at the London Mansion House, before Alderman Sir Stuart Knill, Bart., Robert Manley, living at 11 Queen's Arms Court, Blackfriars, was summoned for having, on May 30, sold certain preparations—viz, sarsaparilla and sulphur tablets—to which a false trade description was applied, contrary to the provisions of the Merchandise Marks Act.

The defendant, who was unrepresented, pleaded not guilty.

Mr. Cecil E. Fisher stated that he appeared to prosecute on behalf of C. I. Hood's Company, of Massachusetts and Snow Hill, E.C. This company was well known for their sarsaparilla, and they attached great value to their name. On May 30 a Mr. Phelps called at the company's office in Snow Hill, and stated that he had seen a man in Fleet Street selling Hood's sarsaparilla-tablets on a barrow. He asked the wholesale price of the preparation, stating that he thought of running a barrow, too. Inquiries were made, and it appeared that the defendant had a barrow in Fleet Street, on which was an enormous board with "Hood's Sarsaparilla Tablets" painted thereon in large letters. In the barrow he had a number of small boxes containing tablets. This board the company complained of, as it would lead the public to believe that the defendant was selling their preparation. He (Mr. Fisher) went to the defendant and told him the thing was a fraud. He replied that it was not his business, and that he worked for Mr. Hood. He gave the address of "Mr. Hood" as 76 Chatteris Square, New Kent Road. Inquiries had been made at this place, but no such person could be found. The tablets sold by the defendant were of a very poor quality, and this would injure the reputation of Hood's Company to a great extent.

Frederick Phelps, 127 Holloway Road, deposed that on May 30 he saw the defendant with a barrow in Fleet Street, and purchased two penny boxes of tablets, which he believed were the manufacture of Hood's Company.

Mr. Fisher then went into the box himself, and gave evidence of a similar nature.

Mr. Alfred Gordon, manager to the company, said they were the only firm in that line of business of that name. The company did not sell any mixture of sarsaparilla and sulphur, but he had no doubt that the board the defendant used would be likely to mislead the public. The company had secured a conviction at Bristol recently for an offence similar to this.

The defendant, in answer to the charge, said he had been employed to take out the barrow by a man named Hood, who lived at 76 Chatteris Square, New Kent Road.

Evidence was then called for the prosecution to show that no person of the name of Hood lived at that address.

Sir Stuart Knill observed that he had power to impose a penalty of 20*l*. He should, however, only fine the defendant 20*s*. and 3*s*. costs, or seven days. The board he had used would have to be given up.

Accused, who said he had no money, was removed to the cells.

#### ALLEGED ADULTERATED SAFFRON.

BEFORE the Callington Magistrates on June 6, Mr. W. Pollard, of Pensilva, was summoned for selling to Superintendent Philip  $\frac{1}{2}$  oz. of saffron, which, according to Mr. Benedict Kitto, F.I.C., London, the analyst, was adulterated with  $2\frac{1}{2}$  per cent. of grit and vegetable.

Mr. Trehane, for the defence, objected to the certificate of the analyst, because he had not put down the percentage of saffron, grit, and vegetable, as required by Act of Parliament. If he had this would have shown it to be a very good sample, as there was always some grit and vegetable in saffron. It had been admitted that with only  $2\frac{1}{2}$  per cent. of foreign mixture it would be a good sample.

The Bench upheld Mr. Trehane's objection, and dismissed the case.

#### IMPROPER WEIGHTS AND SCALES.

AT the Dewsbury Borough Court last week, Jas. Donbavand, described as a chemist, of Market Street, was summoned for having unjust weights, and also for having two weighing-instruments unstamped. The weights and measures inspector stated that on May 22 he visited the defendant's premises, and found five weights—viz., 1 lb. 34 gr. short, another 1 lb. 16 gr., one  $\frac{1}{2}$  lb. 12 gr., one  $\frac{1}{4}$  lb. 8 gr., and a 2 oz. 5 gr. short. He also saw two weighing-instruments that were not stamped as required. Cross-examined: He had sent defendant notices of the days and times when he could come and have his weights tested, but he had taken no notice of them. Defendant had simply set him at defiance. Defendant remarked that the weights had become somewhat light through being cleaned. He had been ill all through 1894. The Chairman said they were obliged to fine him. They did not think that he had done it with any fraudulent motive, but that it was a case of gross neglect and carelessness. The inspector had said that it was one of the worst cases that he had had before him. He would be fined 5*s*. and costs in each case, and he hoped that it would be a warning to him, as if he offended again they would not be so lenient with him.

#### ABOUT PUFF-BOXES.

IN the City of London Court on Tuesday, before Mr. Commissioner Kerr, the case of Richter *v.* Sinclair was heard. The plaintiffs, Messrs. Richter, Tschuschner & Co., 26 Cheap-side, E.C., sought to recover the sum of 1*l*. 15*s*. against the defendants, Messrs. James Sinclair & Son, Marshalsea Road, Southwark, as damages for not accepting a quantity of powder-puff boxes which they had ordered. The defendants said that the goods were so long in coming that when they arrived they were useless to them, as they had lost the sale of them. The order was then cancelled. Mr. E. A. Wright, for the plaintiffs, said that the defendants gave them the order on February 14, and no time was stipulated in which the goods were to be delivered. About 10 gross of them were delivered shortly afterwards, but when some more were sent on March 14 the defendants refused to have them, and the 50 gross tendered on April 30 were also rejected. As the defendants refused the goods they had now sued them



for damages for breach of contract. Mr. Commissioner Kerr said he did not think the plaintiffs had delivered the goods in a sufficient time. Mr. Wright said it was not unreasonable, considering that the powder-puff boxes had to come from Germany. They never guaranteed to deliver them by any particular time. The defendant, Mr. Sinclair, added that the plaintiffs' traveller told him that the goods would be ready in about two or three weeks. That was denied; and the case was adjourned for the attendance of the traveller.

### THE LAW OF NOTICE OF DISMISSAL.

BEFORE Mr. Marsham, at the North London Police-court, on Wednesday, Messrs. W. C. Barnes & Co., manufacturing chemists, of the Phoenix Chemical-works, Hackney Wick, were summoned by a former workman, Henry William Lane, of Trego Road, for 24s. 6d., a week's wages, in lieu of notice. The defence was that a notice was stuck about the factory informing the employés that for the future no notice would be given or expected to or from the men. The complainant replied that this had reference to new hands and not to old ones. He had been in their employ for ten years, and the notice had not been up more than a few months. Mr. Barnes said it applied to all, whether old or new employés. Mr. Marsham said he was afraid the man was in the right. If such a rule was meant to apply to the old hands they should either have been discharged and taken on again under the new conditions or should have been specifically informed that they were included in the notice. This had evidently not been done. What was the reason for summarily dismissing the man after such long service? The defendant replied that it was a dispute as to overtime. The complainant: I did another man's work, and charged extra for it. The defendant: And he was impudent when I said he should have consulted me before making the charge. Mr. Marsham: What work did you do? The complainant: Making aniline salts. Mr. Marsham: Perhaps your employer will take you back again? And then you will know under what conditions you are working. The defendant said he would have to consider this matter, though he had nothing to say against the man, and would give him a good character. If, however, the magistrate's decision was against him, he would have to put himself upon a legal footing with his other men. Mr. Marsham: If you cannot consent to take him back again, I shall have to decide against you. But I would rather adjourn it, to enable you to come to terms. Mr. Barnes replied that if that was the wish of the magistrate he would consult his partners. The complainant: Well, I have been out of work two weeks, and expect to get another situation tomorrow. Mr. Barnes: I think, on the whole, your worship had better decide it now. Mr. Marsham: Very well, verdict for the complainant for 24s. 6d. and 5s. costs.

## Bankruptcy Reports.

*Re G. G. WOLFF*, Frederick Place, Acton Street, Haggerston, and 24 Chapel Street, Islington, Manufacturing Chemist.

This bankrupt attended last Tuesday before Mr. Registrar Linklater at the London Bankruptcy Court for public examination, and applied to pass upon accounts showing a deficiency of 1,534l. 10s. 6d.

He was questioned by Mr. A. H. Wildy, Official Receiver, generally respecting his business career, particulars of which we have already published. He stated further that he came to this country in 1884 from Roumania, and when he commenced the business he had a capital of 2,000 francs, not pounds, as had been stated. That capital disappeared within two years of the start. Mr. Williams joined him in 1883 with a capital of 300l., and later brought in other sums, amounting in all to 5,200l., which was to remain at 3 per cent. interest. In the first instance witness understood that his partner had command of a large capital, but he later discovered that the money had been advanced by the petitioning creditor (Mrs. Robinson). In October, 1894, Mr. Williams asked him to go to Mrs. Robinson and obtain a further loan of 1,000l. He obtained 1,150l., which was credited in the books as an advance to the firm by Mr. Williams. Witness never regarded that as a personal

liability, although he gave Mrs. Robinson a promissory note as a temporary security. Subsequently disputes arose between Mr. Williams and witness, ending in Chancery proceedings, with the result that the partnership was dissolved, and Mrs. Robinson obtained a judgment against witness for the 1,150l. A receiver was also appointed by the Court, and was empowered to sell the business. The greater part of the 5,500l. advanced by Mrs. Robinson was used in the business, over 3,000l. having been spent upon advertisements. To his liability for the money advanced to his partner witness ascribed his insolvent position, which he only ascertained last February, when the books were made up.

Mr. Wildy asked for further accounts, and the learned Registrar ordered them to be filed within three weeks. The hearing was then adjourned to July 9.

*Re SAUNDERS & SAUNDERS*, Cleckheaton, Chemical-manufacturer.

At the Bradford County Court on Tuesday, an application for the discharge in bankruptcy of Thomas Bealby Saunders and Ashby Varley Saunders, trading as Saunders & Saunders, was made to his Honour Judge Gates. The Official Receiver (Mr. J. Arthur Binns) stated that the receiving order in this case was made on October 5, 1892, and the public examination was concluded on March 10, 1893. The liabilities amounted to 33,458l. 4s. 3d., and the assets realised 3,122l. 7s. 6d. A first and final dividend of 11½d in the pound had been paid on 33,458l. 4s. 3d. The history of the firm was that in 1875 Mr. T. B. Saunders joined Mr. Hepworth, chemical-manufacturer, at Westgate Works, Cleckheaton, as partner, putting in 1,000l. borrowed capital. In 1877 A. V. Saunders went in, bringing 1,500l. capital, and a year later Mr. Hepworth retired with 500l. In 1877 the turnover was about 1,000l. a year, but the development of the business was so rapid that in 1891 the turnover exceeded 31,000l. The expenditure from 1889 was at the rate of about 3,000l. a year, beside which they incurred heavy expenses in making additions and alterations.

Mr. R. M. Macmaster also addressed his Honour, stating that the phenomenal growth of the business carried them altogether beyond their capital, and they found themselves, shortly before their bankruptcy, conducting a business which it was impossible for them to finance properly. The bankrupts had been hard workers from first to last, they had lived economically, and had done the best for themselves and their creditors. Since the bankruptcy they had been managing a certain business, and he believed they had acted successfully in that capacity.

His Honour said that the bankrupts' story was not at all an uncommon one, and was not creditable to them as men of business. From the extraordinary leap from 1,000l. to 31,000l. a year in the turnover he could only guess that there was a certain amount of recklessness in the business. He suspended the bankrupts' certificates for two years.

*Re JOHN HENRY SPENCE*, 27 St. Ann's Road, Brixton, and 44 Camberwell Road, Chemists' Sundriesman.

THE summary of accounts and observations of the Official Receiver upon this failure were issued to the creditors from the London Bankruptcy Court on Thursday. The accounts show unsecured debts, 1,176l. 8s. 9d.; fully-secured debts, 146l. 10s.; assets, 24l. 17s. 9d.; and a deficiency of 1,151l. 11s. The observations of the Official Receiver give the details of the debtor's trading as stated in this journal last week, and that the debtor admits that he has been aware of his insolvency since 1889. All his debts, with the exception of one for 146l., would appear to have been contracted since that date. It appears that for several years past the debtor has only been able to carry on his business by borrowing money at high rates of interest. Unsecured creditors, whose claims amount to 686l. 8s. 2d. for money lent, appear in the statement of affairs. The creditors treated as fully secured are stated to hold a bill of sale on the debtor's household furniture, and a charge on the patent for improved feeding-bottle shields. The debtor has been adjudged bankrupt, and his public examination is fixed for June 18.



*Re* ROBERT GEORGE CLEMENTS, late of 20 Jewry Street, E.C.,  
Drug-merchant, trading as R. G. Clements & Son.

THIS bankrupt applied on Thursday to Mr. Registrar Giffard at the London Bankruptcy Court for an order of discharge. Mr. E. S. Grey, Assistant-Receiver, reported that the failure occurred last February, the accounts showing ranking liabilities 1,174l. 9s. 1d., and no assets. The bankrupt joined his father in partnership in 1873, and traded with him as R. G. Clements & Son. The father died in 1833, from which time the bankrupt continued the business, but it proved unprofitable, and in September, 1893, he discontinued trading. Since then he had been without occupation, and had been in receipt of a voluntary allowance from his mother of 1l. per week. The offences alleged by the Official Receiver were (1) insufficient assets to show 10s. in the pound on the unsecured debts; (2) imperfect bookkeeping; and (3) trading with knowledge of insolvency.

After hearing Mr. Drury in support of the application, the learned Registrar granted an order of discharge subject to the minimum suspension of two years.

## Deeds of Arrangement.

Doyle, James, Wellington Road, Bollington, surgeon. Trustee, George Heson, Deitry Street, Macclesfield. Dated, June 3; filed, June 8. Secured creditors, 35l.; liabilities unsecured, 340l. 4s. 1d.; estimated net assets, 296l.

Howarth, Ambrose, 59 Manningham Laue, Bradford, dental surgeon. Trustee, William Claridge, Midland Bank Chambers, Bradford, accountant. Dated, May 31; filed, June 6. Liabilities unsecured, 124l. 6s. 4d.; estimated net assets, 90l.

## Trade-Marks Applied for.

ANY person who has good grounds of objection to the registration of any of the following marks should at once communicate with Sir Reader Lack, Comptroller-General, at the Patent Office, 25 Southampton Buildings, Chancery Lane, London, W.C.

(From the "Trade Marks Journal," June 5, 1895.)

"UNIVERSAL PURINE," and device of signet ring with those words in capitals on it; for a disinfectant. By Hardwick's "Purine" Company, 61 Mark Laue, E.C. The essential particular is the device. 184,214.

"OONA"; for chemical substances used in medicine and pharmacy. By Mary A. Hicks, 120 Ball's Pond Road, Islington, N. 186,925.

"HOMCO"; for mineral and vegetable oils. By the Hull Oil Manufacturing Company (Limited), West Carr Lane, Stoneferry, Hull. 186,842.

Device of hop-kilns, &c., with wording on roofs; for malt extract used as food. By Johnson's Saccharum Company (Limited), Carpenter's Road, Stratford, Essex. The essential particular is the device. 187,155.

Device of keystone of arch, and facsimile signature of applicants; for coca-wine. By Stephen Smith & Co., 78 Malmesbury Road, Bow, London. 186,062.

"ADONIS"; for preparations for the hair. By A. Rowland & Sons, 20 Hatten Garden, London. 187,088.

"SWEET KISS"; for perfumery, perfumed soap, &c. By A. Rowland & Sons, 20 Hatten Garden, London, 187,089.  
(From the "Trade Marks Journal," June 12, 1895.)

"ZACRA"; for a disinfecting and deodorising fluid. By the Liverpool Shipowners' Supply Company (Limited), 13 South Castle Street, Liverpool. 186,454.

Device of scoop with handle, and name of applicant company; for chemical substances used in medicine and pharmacy. By the Laxoo Company, 39 Baker Street, London. 187,347.

"VISKOR"; for extract of meat. By F. L. Borthwick & Co., 381A Kingsland Road, London. 187,500.

"ZAVORA"; for perfumery, toilet-articles, &c. By Alexander Finlay, 35 Ann Street, Belfast. 187,687.

## Marriage.

JAGO—STONE.—At St. Mary's, Walthamstow, on June 2 (by licence), C. A. Jago, chemist, Chertsey, second son of the late H. C. Jago, R.E.D., to Lily May, third daughter of the late James Stone, of Poole.

## Deaths.

CALEY.—At Norwich, Albert Jarman Caley, chemist and druggist, and mineral-water manufacturer, Norwich. Aged 67. Since 1858 Mr. Caley carried on a highly-successful business in London Street and Chapel Field, Norwich. In 1883 he added a cocoa and chocolate manufacturing branch, and retired only last year in favour of his son and two nephews.

CORDLEY.—At Colchester, Wm. B. Cordley, chemist and druggist, of High Street. The deceased gentleman had been in business in Colchester for over twenty years, and was President of the Colchester Chemists' Association. He was also local secretary of the Pharmaceutical Society.

DUERDIN.—Suddenly, at the Inns of Court Hotel on June 6, Mr. John Robertson Duerdin, of Duerdin & Sainsbury, wholesale druggists, Melbourne, aged 49. The deceased gentleman arrived in London a fortnight ago, apparently in good health, but early last week he had a serious shock of paralysis. This painfully sudden death will cause much sorrow to Mr. Duerdin's friends in Melbourne—indeed, in Australia generally—where he was highly respected. His firm has one of the leading wholesale businesses in Melbourne, and during its development special attention has been given to the scientific-apparatus side, with the result that they have acquired a high reputation for such goods, as well as for pharmaceutical products generally. Mr. Duerdin has been buried in the family vault at Eltham.

GUNN.—Mr. William Gunn, pharmaceutical chemist, Duns, died at his residence on Saturday morning, June 8, in his 63rd year. Deceased was a native of Duns, and succeeded to the business of the late Mr. William Halley in 1860. For fifteen years, nine of which he was Chief Magistrate, Mr. Gunn diligently served the town as a Police Commissioner, enjoying the universal esteem and respect of his townspeople. He leaves a family of four sons and three daughters. The eldest son, Mr. Alexander Gunn, F.C.S., who has been research-chemist to Messrs. Fletcher, Fletcher & Co., Holloway, is to continue the business.

HOLMAN.—On June 5, at Torpoint, Francis Ford Holman, chemist and druggist. Aged 71. Mr. Holman was for upwards of forty years in business at Torpoint, and was closely identified with movements for the moral and social advancement of the people.

MATHER.—Mr. William Mather, whose death from carbolic-acid poisoning is recorded elsewhere in this issue, succeeded to the manufacturing portion of his father's business on his death some fourteen years ago. Young Mather took the position of managing director when the business was turned into a limited liability company last year, and personally superintended the whole of the manufacturing departments. He leaves a widow, but no children. He had been in poor health for some time.

NICOL.—At East Linton, Haddingtonshire, on June 3, Helen Traill, eldest daughter of Wm. Nicol, chemist. Aged 18 years.

SIMPSON.—At Bloxham, Banbury, on June 10, of enteritis, after twenty-four hours' suffering, Emily Mary, eldest daughter of Thomas Simpson, chemist and druggist. Aged 33 years.

SLATER.—Harold Edward, son of Mr. Edwin Slater, chemist and druggist, Kingswinford. Deceased fell down dead whilst visiting his grandfather.

SPENCER.—Wm. Hy. Spencer, chemist and druggist, Burnham Market. Aged 81. Deceased had been in business in the town for half a century.

WEBSTER.—On June 7, at 62 Victoria Road, Scarborough, Mr. John Henry Webster, chemist and druggist. Aged 48.



## New Companies and Company News.

**PITTVILLE COMPANY (LIMITED).**—Capital 5,040*l.*, in 1*l.* shares (40 founders). Objects: To enter into two agreements with Joseph H. M. Roberts, and to carry on the business of brewers and manufacturers of mineral and aerated waters, ginger beer, lemonade, and beverages of all descriptions. The first directors (to number not fewer than three nor more than five) are:—H. Weber Brown, Thomas D. Norton, and J. H. M. Roberts (managing director for five years). Qualification, 100 shares. Registered office, 11A Stockwell Road, London, S.W.

**PIONEER SYNDICATE (LIMITED).**—Capital 1,000*l.*, in 1*l.* shares. Objects: To carry on the business of chemists, druggists, chemical-manufacturers, wine-merchants, grocers, &c. The first subscribers (each with one share) are:—A. H. Morrell, 21 Chesterfield Grove, Dulwich, gentleman; F. Hare, 73 Bousfield Road, Nunhead, S.E., clerk; W. W. Macalester, 145 Graham Road, Hackney, accountant; H. C. Fowler, 11 Farnival Street, Holborn, agent; A. O'Brien, C. W. Partington, 61 Chancery Lane, W.C., clerks; T. E. Halford, Stafford House, Chiswick. Registered without articles of association.

**KENT DRUG STORES (LIMITED).**—Capital 5,000*l.*, in 1*l.* shares. Objects: To enter into an agreement with George L. Chabot, and to carry on business as wholesale and retail chemists and druggists. The first subscribers (each with one share) are: G. L. Chabot, 48 High Street, Tunbridge Wells, gentleman; J. P. Harrison, 30 Woodbury Park Road, Tunbridge Wells, chemist; A. L. Drayner, Craigallan Gardens, Grove Park, Camberwell, clerk; D. J. David, 4 West Square, St. George's Road, S.E., chemists' assistant; J. L. Oakley, 42 High Street, Shadwell, licensed victualler; Kate E. Godden, 48 High Street, Tunbridge Wells, nurse; H. Hutchings, 21 St. Stephen's Road, Lewisham, clerk. The first directors (to number not fewer than three nor more than five) are to be nominated by the subscribers. Remuneration, as the company may decide.

**R. FRY & Co. (LIMITED).**—Capital 100,000*l.*, in 10*l.* shares. Objects: To acquire, take over as a going concern, and carry on the business of manufacturers of and agents for the sale of natural and artificial aerated and mineral waters and beverages, syrups, cordials, essences, compressed gases, &c., carried on by R. Fry & Co. at Brighton, Eastbourne, Hastings, and Worthing; to acquire all the shares issued in Ingram & Royle (Limited) and the Æsculap Company (Limited); and to adopt three agreements for the purpose of such acquisition. The first subscribers (who each take one share) are:—E. A. Wallis, 22 Middle Street, Brighton, mineral-water manufacturer; D. Hack, Fircroft, Withdean, Brighton, gentleman; J. S. Lee and W. C. Wallis, 15 Market Street, Brighton, provision merchants; H. J. Infield, Sylvan Lodge, Brighton, newspaper proprietor; R. Fry, 2 Clermont Road, Preston, Brighton, mineral-water manufacturer; J. Bradford, Oaklands, Hayward's Heath, Sussex, contractor. The first directors (to number not fewer than four nor more than six) are:—Henry J. Infield, James Bradford, Edwin A. Wallis, and Henry W. Royle (last two are managing directors for five years with 500*l.* each per annum). Qualification, 500*l.*. Remuneration, 150*l.* each per annum. Registered office, 22 Middle Street, Brighton.

The names of the following concerns were struck off the Register of Joint-stock Companies, and thereby dissolved by notice published on June 11 in the *London Gazette*:—

**CRYER'S OXYGEN COMPANY (LIMITED).**—Registered on July 18, 1890, with a capital of 1,100*l.*, in 1*l.* shares, to acquire, develop, and turn to account certain undescribed inventions. Registered office, 26 Paternoster Row, E.C. Seven shares taken up, but nothing called. It never carried on business, as the objects for which it was formed failed.

**EVISSSEL SYNDICATE (LIMITED).**—Registered on December 10, 1890, with a capital of 2,560*l.*, in 2,500 ordinary and 60 founders' shares of 1*l.* each, to acquire, develop, and turn

to account British Patent No. 7,454 of 1885, for "an improved manufacture of saponaceous material for washing purposes." Registered office, Southside, Bexley Heath, Kent. One thousand five hundred and twenty-seven ordinary and 60 founders' shares were taken up, and 500 ordinary and the founders' shares were issued as fully paid. Full amount called and paid on 1,027 shares.

**HALL'S ANTI-MICROBE COMPANY (LIMITED).**—Registered November 4, 1890, with a capital of 5,000*l.*, in 1*l.* shares, to carry on the business of manufacturers of and dealers in Hall's Anti-Microbe, wholesale and retail chemists and druggists, &c. Registered office, Broad Street Avenue, E.C. Four thousand and seven shares taken up, and 4,000 issued as fully paid, while nothing was called on the seven shares. The necessary capital was not subscribed, and the vendors' offer to take over the business and discharge all the liabilities was accepted.

**SALTS RECOVERY SYNDICATE (LIMITED).**—Registered on December 23, 1890, with a capital of 3,000*l.* in 1*l.* shares, to acquire, develop, and turn to account certain patented inventions. Registered office, 11 Queen Victoria Street, E.C. It has never carried on any business.

**"MASSAGE" BALL COMPANY (LIMITED).**—Registered on September 17, 1894, with a capital of 20,000*l.*, in 1*l.* shares, to acquire and turn to account the patent rights of William T. Cormick for improvements in instruments used for the purposes of massage. Registered office, 16 Deansgate, Manchester. No shares have ever been allotted.

**RED OXIDE SYNDICATE (LIMITED).**—Registered on April 10, 1891, with a capital of 15,000*l.*, in 5*l.* shares, to acquire and deal with British Patent No. 10,142, of June 21, 1889, for treating ferrous liquors from galvanising and other works. Registered office, 38 Coleman Street, E.C. No returns have ever been filed, and the concern has left the premises.

**UNITED STATES DRUG-STORES (LIMITED).**—Registered on February 28, 1891, with a capital of 110,000*l.* in 1*l.* shares, to acquire and carry on the business of manufacturers of, and dealers in, drugs and patent medicines, carried on by Henry T. Cutter, at New York, as "Hudnut's Pharmacy," and "The Corporation of Hegeman & Co." The concern never went to allotment, and no office was ever filed.

**HIGGOTT'S DRUG-STORES COMPANY (LIMITED).**—Registered on January 3, 1890, with a capital of 800*l.*, in 1*l.* shares, to acquire and carry on the business of a chemist and druggist, carried on by Henry Higgott at 23 Market Place, Great Bridge, near Tipton, Staffs. All the shares were taken up, and paid for in full, and the vendor held 794 of these. The company have left the office in Market Place, and their whereabouts are not known.

**WIDNES IRON AND CHEMICAL WORKS (LIMITED).**—Registered on July 28, 1890, with a capital of 60,500*l.* in 12,000 ordinary shares of 5*l.* each, and 500 founders' shares of 1*l.* each, to acquire and develop Patent No. 16,604, and to carry on the business of iron and chemical manufacturers. Registered office, 52 Wool Exchange, E.C. Only 7 shares of each class were ever taken up, and of the calls made 7*l.* has been paid, leaving 35*l.* in arrears.

The following concerns will be dissolved and have their names struck off the Register within three months from June 11, 1895, unless cause be shown to the contrary:—Ados Scotch Soda-works (Limited), Æsculapian Drug-stores (Limited), Brownhill's Chemical-works (Limited), Continental Phosphate and Chemical-manure Company (Limited), Drug Distillers' Company (Limited), Skipton Drug Company (Limited), South Wales Soap Company (Limited), South Wales Temperance Drink Company (Limited).

A GENERAL MEETING of the Dover Chemical Company (Limited) is to be held at 207 Ingram Street, Glasgow, on July 12, for the purpose of having the accounts laid before them, showing the manner in which the winding-up has been conducted and the property of the company disposed of, and to hear any explanation that may be given by the liquidator and to determine by extraordinary resolution the manner in which the books, accounts, and documents of the company and the liquidator should be disposed of.



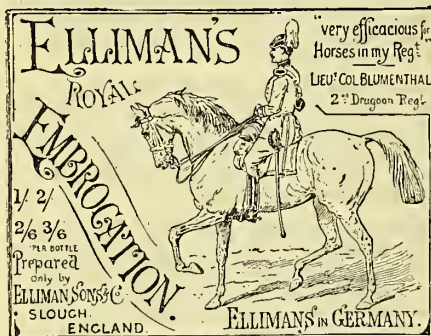
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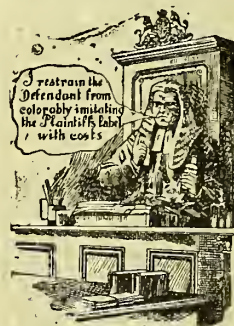
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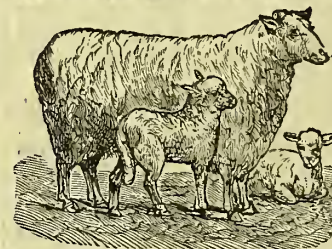
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## THERAPEUTISTS ON THE PHARMACOPŒIA.

WE are indebted to Dr. Nestor Tirard, of Harley Street honorary secretary of the Therapeutic Committee of the British Medical Association, for a copy of the report of his



committee upon the collective investigation anent the British Pharmacopœia. We mentioned on May 18 that the object of the investigation was to ascertain what drugs and preparations at present official should be omitted from the Pharmacopœia. Dr. Tirard sent out 12,490 copies of a select list to members of the Association. More than half of these were returned, and 5,609 replies have been tabulated. In regard to the composition of the list we have previously stated that some most useful preparations were included, on which no vote is actually required, but Dr. Tirard informs us that "many of the drugs in the list—e.g., the two forms of ferri sulph. and the solutions of acetate and citrate of ammonium—were introduced, not because the committee doubted their efficacy or employment by the profession, but because they wished to learn from the practice of the profession whether both were employed sufficiently to call for the retention of both in the B.P."

There is no question that the vote is a most valuable one. Probably never before in the history of Pharmacopœia revision have so many medical men actively participated in a movement to influence revision. It may, therefore, be useful to note what preparations the voters are almost unanimous in declaring to be never or hardly ever required. They number 54, and are mentioned in the following table:—

|                                                               | Often | Rarely | Never |
|---------------------------------------------------------------|-------|--------|-------|
| Ammonii phosphas .. .. .                                      | 35    | 417    | 5,157 |
| Antimonii oxidum .. .. .                                      | 16    | 267    | 5,326 |
| Antimonium sulphuratum .. .. .                                | 27    | 301    | 5,281 |
| Aqua fœniculi .. .. .                                         | 157   | 437    | 5,015 |
| Beberinae sulphas .. .. .                                     | 48    | 411    | 5,150 |
| Bismuthi citras (as distinct from liquor) .. .. .             | 118   | 322    | 5,169 |
| Cetraria .. .. .                                              | 44    | 323    | 5,242 |
| Cinchonidinae sulphas .. .. .                                 | 163   | 442    | 5,004 |
| Confectio opii .. .. .                                        | 56    | 462    | 5,091 |
| " scammonii .. .. .                                           | 34    | 318    | 5,257 |
| " terebinthinae .. .. .                                       | 59    | 373    | 5,177 |
| Cupri nitras .. .. .                                          | 22    | 158    | 5,429 |
| Decoctum cetrariae .. .. .                                    | 52    | 284    | 5,273 |
| Elemi .. .. .                                                 | 20    | 155    | 5,434 |
| Emplastrum galbani .. .. .                                    | 61    | 430    | 5,118 |
| Extractum aconiti .. .. .                                     | 94    | 454    | 5,061 |
| " anthemidis .. .. .                                          | 75    | 333    | 5,201 |
| " calumbæ .. .. .                                             | 104   | 482    | 5,023 |
| " cimicifugæ liquidum .. .. .                                 | 102   | 392    | 5,115 |
| " jalapæ .. .. .                                              | 78    | 338    | 5,193 |
| " lactuce .. .. .                                             | 57    | 527    | 5,025 |
| " mezerei æthereum .. .. .                                    | 8     | 77     | 5,524 |
| " papaveris .. .. .                                           | 95    | 319    | 5,195 |
| " pareire .. .. .                                             | 68    | 249    | 5,292 |
| " quassia .. .. .                                             | 82    | 258    | 5,269 |
| " rhamni frangulae .. .. .                                    | 34    | 163    | 5,412 |
| " .. .. . liquidum .. .. .                                    | 158   | 388    | 5,063 |
| Infusum cuspariæ .. .. .                                      | 54    | 345    | 5,210 |
| " maticæ .. .. .                                              | 49    | 430    | 5,130 |
| Lactuca .. .. .                                               | 18    | 151    | 5,443 |
| Liquor acidi chromici (as distinct from chromic acid) .. .. . | 50    | 163    | 5,396 |
| Liquor sodæ .. .. .                                           | 96    | 362    | 5,151 |
| Lupulinum .. .. .                                             | 39    | 286    | 5,284 |
| Mistura scammonii .. .. .                                     | 32    | 227    | 5,450 |
| Oleum anthemidis .. .. .                                      | 32    | 258    | 5,319 |
| " phosphoratum .. .. .                                        | 30    | 275    | 5,304 |
| " rutæ .. .. .                                                | 28    | 299    | 5,282 |
| " sabinæ .. .. .                                              | 41    | 442    | 5,126 |
| Plumbi carbonas .. .. .                                       | 77    | 358    | 5,174 |
| " nitras .. .. .                                              | 80    | 442    | 5,087 |
| Pyrethri radix .. .. .                                        | 17    | 219    | 5,373 |
| Suppositoria acidi carbonici c. sapone .. .. .                | 37    | 316    | 5,256 |
| Syrupus hemidesmi .. .. .                                     | 90    | 262    | 5,257 |
| Tinctura croci .. .. .                                        | 100   | 398    | 5,111 |
| " gallæ .. .. .                                               | 31    | 232    | 5,346 |
| " laricis .. .. .                                             | 117   | 408    | 5,084 |
| " pyrethri .. .. .                                            | 61    | 356    | 5,192 |
| " sabinæ .. .. .                                              | 18    | 116    | 5,475 |
| Trochisci ferri redacti .. .. .                               | 112   | 373    | 5,124 |
| " opii .. .. .                                                | 67    | 270    | 5,272 |
| Unguentum elemi .. .. .                                       | 98    | 348    | 5,163 |
| " potassæ sulphuratæ .. .. .                                  | 50    | 369    | 5,190 |
| " terebinthinae .. .. .                                       | 87    | 342    | 5,180 |
| Vinum aloes .. .. .                                           | 126   | 464    | 5,019 |

We take it that with the exception of antimon. oxid., antimon. sulphurat., bismuth. citras, liquor sodæ, ol. sabinæ, plumbi carbonas, and plumbi nitras, which are required in the Pharmacopœia for pharmacopœial purposes, there is nothing to

be said, so far as medical practitioners are concerned, for the retention of these articles in the Pharmacopœia. Of course, dentists ought to have a voice in regard to pellitory, which is a dental medicine pure and simple.

It will be understood that it is the last column in the above table which will determine the exclusion of the articles. We have reprinted only those having more than 5,000 in that column because we understand the committee to indicate these articles as beyond hope of retention. The General Medical Council's committee will not have much difficulty with them, but where will they draw the line that will separate the "rejected" and the "retained"? We are now referring to other articles in the list, put there because the committee were doubtful about the advisability of their retention. The figures in the "rarely" column confuse the matter, because they may mean that the physicians have used the articles, but not now, or that they rarely use them now. Perhaps it would be better to ignore these votes altogether, and determine the rejection or otherwise upon the figures in the first column. It appears to us that the following should not be deleted:—

|                              | Often | Rarely | Never |
|------------------------------|-------|--------|-------|
| Aq. laurocerasi .. .. .      | 583   | 1,428  | 3,598 |
| Charta sinapis .. .. .       | 878   | 1,261  | 3,470 |
| Ferri sulph. exsicc. .. .. . | 1,234 | 1,575  | 2,800 |
| Liq. ammon. acet. .. .. .    | 3,899 | 423    | 1,287 |
| " fort. .. .. .              | 2,635 | 593    | 2,381 |
| " cit. .. .. .               | 507   | 885    | 4,217 |
| Pil. aloes Barb. .. .. .     | 592   | 1,263  | 3,754 |
| " et myrrh. .. .. .          | 1,812 | 2,017  | 1,780 |
| " Soc. .. .. .               | 507   | 1,092  | 4,010 |
| " ferri carb. .. .. .        | 1,049 | 955    | 3,605 |
| " hyd. subchl. co. .. .. .   | 940   | 1,798  | 2,871 |
| Spt. æther. co. .. .. .      | 1,058 | 1,195  | 3,356 |
| Syr. papav. .. .. .          | 1,073 | 1,529  | 3,007 |
| Tr. aurant. recent. .. .. .  | 1,221 | 932    | 3,456 |
| " cimicifugæ .. .. .         | 545   | 758    | 4,311 |
| " guaiaci ammon. .. .. .     | 852   | 1,775  | 2,982 |
| " zingib. fort. .. .. .      | 1,652 | 1,574  | 2,383 |

Some of these figures will doubtless surprise many. For example, only a fortnight ago we had the leading manufacturer of pills tell us that pil. aloes Soc. is rarely sold, but it seems that at least 507 doctors who voted use them often, which may mean, say, 1,000 in the kingdom. It is astonishing that rarely-used medicines are employed often by comparatively large numbers of prescribers. The following is a selection of the most striking instances:—

|                         |     |                         |     |
|-------------------------|-----|-------------------------|-----|
| Aq. menth. vir. .. .. . | 450 | Spt. cajuputi .. .. .   | 199 |
| " pimentæ .. .. .       | 325 | " armor. co. .. .. .    | 247 |
| Liq. iodi .. .. .       | 446 | Syr. hemidesmi .. .. .  | 90  |
| Pil. ferri iod. .. .. . | 205 | Tr. ferri acet. .. .. . | 240 |
| Pulv. antimon. .. .. .  | 451 | " laricis .. .. .       | 117 |

As these numbers are selected from not more than one-fourth of the profession, it is obvious that they should be at least doubled to represent the approximate total using the preparations. The opinion of individual chemists almost counts for nothing beside such figures, and it is reasonable to suppose that the question of retention must be decided according to medical experience. We are glad to note that the committee formulate an excellent principle of exclusion by saying that methods of using drugs should not be made pharmacopœial, therefore that cataplasmata, enemata, and vapores should be excluded. They would also exclude the methods of preparing such substances as tartaric acid and certain unnecessary details.

The rest of the report is devoted to "alterations" and "additions," and is based apparently upon the series of B.P. articles which appeared in the Association's *Journal*. The more prominent features to be noted are a suggestion for officialising concentrated infusions and decoctions, approval of the metric system, a suggestion to expedite the publication



of the B.P., allowing the colonial part to be published afterwards as an appendix, a demand for more flavouring-syrups, &c., and for portable forms of medication, such as pilules and granules, and a hint that as few new synonyms as possible should be introduced. In regard to new drugs and proprietary preparations the committee say :—

Much difficulty will be found in deciding on the claims of new agents. They can scarcely be decided upon the extent to which these various new remedies have been employed, since this is to some extent determined by the energy with which they have been advertised. Before deciding, it would seem very desirable that special information concerning their actions, uses, and doses, should be obtained from those accustomed to pharmacological and therapeutical investigations.

In previous editions proprietary substances have been introduced under a new name—*e.g.*, Phenazone (Antipyrin): at times also, imitations of proprietary articles that have attained celebrity have been inserted in the Pharmacopœia under the same or another name. Both courses are open to grave objections. If a proprietary preparation be adopted, it seems hardly worth while to change its name. The introduction of imitations is attended with two difficulties. If the process given follow closely that which is used for making the proprietary article, a patent may be infringed. On the other hand, if the process employed differ from that by which the proprietary article is obtained, the pharmacopœial product may be inferior, and the proprietary preparation may continue to be used. It must be confessed that the question of the proprietary compounds is full of difficulties which can only be solved by seeking the aid of experts.

This is the hardest nut the Pharmacopœia Committee will have to crack.

#### A MEDICINE-TARIFF IN TURKEY.

THE pharmaceutical world in Turkey has been much agitated lately by what is known as the "medicine-tariff question," and the Constantinople chemists have ranged themselves into opposing camps over this matter, with the result that slumbering feuds have broken out afresh, and legal proceedings are threatening in various quarters. The whole bother seems to have arisen from a sudden and most un-Turklike zeal for reform in pharmacy which has taken possession of the medical and pharmaceutical authorities in the capital, backed up by the now dismissed Grand Vizier in person. Until these high personages began to meddle with the business, pharmacists in Turkey sold their medicines at whatever prices they liked, or, at any rate, at such as free competition and a public not unversed in chaffering permitted them to charge. A few weeks ago, however, the authorities came to the conclusion that it was time to put a stop to this system, and drew up a general tariff for drugs and pharmaceutical preparations, applicable to all chemists alike, and subject to a compulsory discount of 25 per cent. to indigent customers. The tariff is said to have been modelled upon the official tables of maximum charges for the sale of drugs by retail which exist in many continental countries; but it appears to have been specially drawn up in favour of the chemists, and the result has been a general increase in the price of medicines to the public, and an indignant protest of the latter in letters to the Press and other manifestations of feeling.

The cutter, it seems, flourishes in Turkey as well as nearer home; and it is quite a common thing for people in Constantinople to hawk prescriptions about for tender from one chemist's shop to another until they have struck the rock-bottom dispensing-charge. According to a long paper by M. Pierre Apéry, a leading Constantinople pharmacist, who has been one of the chief instigators of the "medicine-

tariff," that measure is specially designed to stop cutting, and to secure to the pharmacist a fair return for his skill. M. Apéry tells us that pharmaceutical reformers in Turkey have tried for thirty years or more to obtain the enactment of a compulsory tariff, but that the "cutting" interest has been too strong for them until, as he expresses it with true Oriental courtliness, "there arose a Sovereign of the greatness of H.I.M. the present Sultan, surrounded by a Government as enlightened as that which at present surrounds the Commander of the Faithful," and it became possible to carry out this world-shaking reform. Meanwhile Pharmacist J. Zanni, who is one of the leading "cutting" chemists in Constantinople and one of the chief opponents of the tariff, has come into collision with the authorities, and will be prosecuted by them for accepting at less than the tariff-rate a prescription containing Bonjean's ergotin as the principal ingredient, in dispensing which he is alleged to have replaced this form of ergotin by a less costly one. The prosecution appears to be the outcome of a trap laid for M. Zanni by the anti-cutters; but whatever the future may have in store for the accused, his opposition to the tariff has already borne fruit, for the complaints of increased charges addressed to the authorities have been so numerous that last week the copies of the new tariff were withdrawn from all dispensaries, pending the framing of a revised tariff. At the same time the Grand Vizier ordered the School of Medicine in Constantinople to investigate the matter again, pointing out that either the previous system of free sale of pharmaceutical products must be re-established, or the tariff modified so as to really benefit the public and at the same time safeguard the legitimate interests of druggists. Since then the Vizier has been dismissed over the Armenian question, and as his successor for the present has weightier matters to occupy his mind than medicine-tariffs, the whole thing will probably sink back again into nothingness.

#### THE CASE OF THE "ADELPHI COUPPA."

THE opium-season which has just commenced (the first basket of the new crop having been received at Smyrna on May 26) promises to be of unusual interest. An extremely large crop is expected, and, in accord with the continued favourable reports concerning the growing plants which have been received from Asia Minor and Salonica, the market-prices of Turkish opium and its preparations have been on the decline all through the spring. As usual, the crop-estimates vary greatly; but it is generally expected that the yield in the whole of the Turkish Empire will not be less than 8,000 cases, or considerably above the estimated average requirements for a twelvemonth.

In addition to this expected supply, there is a stock of old opium in different market-centres aggregating, it is thought, from 1,500 to 1,800 cases, besides what may be described as a possible supply of 541 cases on board of a Greek steamship, the *Adelphi Couppa*. The destination and cargo of this vessel have been the subject of much anxious interest in the course of the last two months among persons interested in the opium-market. The *Adelphi Couppa* originally left Smyrna for London on March 25 with a valuable cargo, including, according to her papers, 541 cases of opium and several thousands of packages of oil, figs and raisins, insured for 68,000*l.* by British companies. The opium-cargo was probably the biggest that ever left Smyrna in a single vessel, a consignment of 100 cases on board of one ship being considered an exceedingly large one in ordinary circumstances.



As for the Sultana raisins, the figs, and other things of that kind, people wondered why fruit that is always shipped from Smyrna in the autumn should be sent out—40,000 boxes at once—in March, when the Christmas and pudding season are forgotten. The raisin-trade appears to have taken this unorthodox and unprecedented proceeding so much to heart that a regular, if passing, panic in the Sultana-market ensued when the *Adelphi Couppa* cast anchor at Gravesend, for there she ultimately arrived, after having called at Gibraltar, in spite of all the reports that she had been lost at sea. What may have been the object of the "syndicate" who chartered the *Adelphi Couppa* in sending a huge cargo of produce to a market where it would almost certainly have had to be sold at a loss is not known, but no sooner had the vessel left than it began to be rumoured that she would never reach her destination. When, at last, on April 19, the ship anchored at Gravesend, her master showed no anxiety to discharge his cargo. A well-known London firm, who had advanced money on some of the opium in the vessel, and held the bills of lading relating to the drug, demanded their goods, but were waited upon, it is said, the next day, by a representative of the Smyrna syndicate with the offer to purchase back the opium at the highest market-price then quoted in London. This proposal was accepted, and shortly afterwards the *Adelphi Couppa* left London, without having opened her hatches, for Malta, where the captain took papers for Taganrog in Southern Russia. When near Constantinople, however, he appears to have received orders to return to Smyrna, where the vessel arrived again on May 22. With her came a yacht having on board Mr. John J. Milbank, a representative of Lloyds Insurance Company, who kept a keen eye upon the opium-ship. It appears that the 68,000*l.* insurance expired when the *Adelphi Couppa* reached Gravesend, and that the ship undertook the return-journey uninsured, because no insurance company cared to take the risk. In fact, shortly after the *Adelphi Couppa* left Smyrna for London, Lloyds appear to have become alarmed at the risk they were running, and re-insured at heavy rates with third parties, a transaction which is said to have cost them 18,000*l.* No wonder, therefore, that they should feel interested in the movements of the vessel.

According to our latest mail information from Smyrna, dated June 3, the vessel was still in port, and had begun to discharge her cargo. It is reported that the raisins were being taken on board of a Trieste steamer, while the oil and the opium were being transferred from the *Adelphi Couppa* to a vessel bound for Russia. Meanwhile, the Chief of Police in Smyrna, acting in concert with the Greek Consul, has paid a visit of inspection on board of the *Adelphi Couppa*, with what result is as yet unknown. The syndicate who chartered the vessel are said to have powerful "friends at Court" in Constantinople, for when the Smyrna Chamber of Commerce called a meeting to discuss the *Adelphi Couppa* matter, the authorities received instructions from the Turkish capital prohibiting the meeting, on the ground that the question did not concern the mercantile community of Smyrna as a body.

If any of the goods on board the ship should be landed again on Turkish territory, the packages will probably be opened by the Turkish Customs, who can claim an import-duty of 8 per cent. Upon the return of the *Adelphi Couppa* to Smyrna the authorities were urged to seize the vessel, but as she carries the Greek flag the Turkish officers could not act, and the Greek Government declined to interfere. As there have already been two or three unsatisfactory insurance cases in connection with vessels from Turkish ports this year, it is to be hoped, for the credit of the Smyrna mercantile community, that the ugly rumours with regard to the *Adelphi Couppa* will prove unfounded.

## THE SALE OF BENZENE.

A FORTNIGHT ago we published the following answer to a correspondent who asked about the bottling and sale of benzene:—

You may bottle benzene yourself, and you may sell it out by the pennyworth. But, unless you have a petroleum-licence you must not have more than 3 gallons in stock at one time, and this must all be kept in securely-stoppered bottles, none of which contains more than 1 pint.

Another chemist, residing in the metropolitan district, noted this reply, and, recollecting that it was in exact contradiction to the opinion given him by an inspector of the London County Council, when he applied for "a licence to bottle benzene," submitted the point to that body, and now sends us the reply he has received from them:—

Public Control Department,  
21 Whitehall Place, S.W.

June 7, 1895.

*Petroleum Act.*

SIR,—In reply to your letter of the 6th instant, I beg to inform you that the interpretation of the exemption clause of this Act given to you by the Council's inspector appears to have been correct [*i.e.*, that it is illegal to break bulk for retail purposes without a licence].

I enclose an abstract which gives the terms of the exemption contained in section 7 of the Act of 1871. This exemption was intended solely to cover chemists who kept benzene in small glass bottles securely fastened up, and its intention would be defeated if the breaking of bulk were allowed.

I am, Sir, your obedient servant,

ALFRED SPENCER,  
Chief Officer.

We think it very considerate of this correspondent to have taken the trouble he has done, in order to put before the trade the official view; for this, right or wrong is what we have to be guided by. Not one in a thousand of us has the inclination, or cares to spare the time or the money, to contest a point which could hardly be worth sixpence a year to any of us. So that we presume, unless the interpretation of the exemption section of the Petroleum Act varies in different localities, it will be wise of chemists (who have not done so hitherto) to adopt the plan which is necessarily indicated by the letter published above—namely, to only buy and sell benzene ready put up in small bottles.

We confess we do not believe that this construction would be maintained if it were boldly contested. Benzene is undoubtedly a substance which comes within the description of "petroleum to which the Act applies," and this is exactly what the Act says in permitting persons not furnished with a petroleum-licence to keep a small stock:—

Save as hereinafter mentioned, after the passing of this Act, petroleum to which this Act applies shall not be kept, except in pursuance of a licence given by such local authority as is in this Act mentioned. All petroleum kept in contravention of this section shall, together with the vessel containing the same, be forfeited; and, in addition thereto, the occupier of the place in which such petroleum is so kept shall be liable to a penalty not exceeding 20*l.* a day for each day during which such petroleum is so kept.

This section shall not apply to any petroleum kept either for private use or for sale, provided the following conditions are complied with:—

- (1) That it is kept in separate glass, earthenware, or metal vessels, each of which contains not more than a pint, and is securely stoppered.
- (2) That the aggregate amount kept, supposing the whole contents of the vessels to be in bulk, does not exceed three gallons.

This exemption applies as much, it will be seen, to benzene kept in a private house as to benzene kept by



chemists for sale; and if the chemist may not open one of his securely-stoppered bottles to pour out one or two penny-worth for a customer, neither may the customer open his sixpenny bottle when he has got it—which is a manifest absurdity. The section prescribes how it is to be “kept.” Getting a gallon in and filling from this, at once, a number of bottles for stock or sale, is not “keeping” it in the bulk condition, and we can hardly think that any Court would so regard it. However, there can be no great objection to selling only sixpenny and shilling bottles, provided that the oilman has to do likewise. Perhaps some chemists have had special experience of this business and will favour us with information.

#### CHEMIST'S CO-OPERATIVE SOCIETY (LIMITED).

We are receiving calls and letters from persons interested inquiring about this company. Vendors of the businesses announced in the prospectus are now being pressed, it is stated, to take a considerable portion of the purchase-money in shares. It is reasonable for them to ask how much public money has been invested, so as to judge whether the scheme has any fair chance of success. We have been endeavouring to extract this information, to which we have a legal right, from the company, but so far have been met by excuses and delays. We are pressing our claim, and hope to be able to give more definite information next week.

#### DALTON—PLAYFAIR.

In the memoir of John Dalton, by Sir Henry Roscoe, just published by Messrs. Cassell & Co., an interesting story of the great chemist is told on the authority of Dr., now Lord, Playfair:—

I gave Dalton a small pamphlet, says Lord Playfair, which was a reprint of two lectures which I had given to the Royal Agricultural Society. A few days after, Dalton sent for Peter Clare to ask him if he knew what I had given him, for he had mislaid it. Peter Clare assured him that he had received nothing from me, so the housekeeper was sent for, and she recollected that he had brought home a book with my name on it, but she was unable to say what it was. Accordingly, Peter Clare was sent to my laboratory as an ambassador, to ascertain what the book was and what was its value.

As an author, I found some difficulty in estimating the value of the performance, but was soon relieved by being told that it was not the scientific but the money value which Dalton desired to know. I stated that the price might be sixpence or a shilling. In about an hour Peter Clare returned with a message from Dalton that he had intended to present me with all his works; but as their cost was above thirty shillings, he could not think of giving them for a one-shilling present. He made, however, the entertaining proposal that I should gather together all I had ever written, send it to him with a priced list, and then he would make up his mind as to whether he could present me with his works. You may suppose that I was too much amused with the proposal to hesitate, so I gathered together what I could, including my translation of Liebig's “Agricultural Chemistry.” After this had been done, I found that the declared value of my present was seventeen shillings less than that offered by Dalton; but, nevertheless, I boldly sent it in. Next day came Peter Clare with all Dalton's works, every volume having on its blank page, in the author's autograph, “John Dalton, D.C.L., F.R.S., to Dr. Lyon Playfair, Jan. 1844.” But I was requested forthwith to hand over the 17s., which I immediately did, delighted to receive the works from the great chemist, and prizing them the more from the droll characteristic way in which they came into my possession.

This occurrence, we should remember, took place only a few months before Dalton's death, in the days of his decay, when the strong brain had become partially disintegrated, and when his notebook showed that painful indications of

mental aberration had set in. For, in his better days, although he was frugal, he was always liberal.

#### WAS IT —S?

The *Realm* is responsible for the statement that one of the Shahzada's staff, mistaking the intention of his hosts in providing soap in his bedroom at Dorchester House, felt bound to eat it, and after a gallant effort succeeded in disposing of an entire cake. We are assured that he is happy now.

#### THE CLOVE AS A DYE-PLANT.

A recent issue of the *Ken Bulletin* contains some correspondence concerning the possibility of introducing the clove-fruit in our markets as a dye, which is of some interest, although there appears to be no hope that an experiment in this direction would be successful. In May, 1894, Messrs. Gruffé and James, of London, received from the Seychelles Islands a tin containing the ripe fruit of the clove—a product which is used by the natives as a dye for cloth. The material has been experimentally tried by Professor Hummel, of the Yorkshire College, Leeds, who reports the tinctorial power of the fruit appears to reside in its skin. The dyestuff behaves like a tannin matter. It is attracted by mordants, and gives a grey with iron and buff-yellow with aluminium acid, very like ground gall-nuts. It is not of any present practical utility.

#### VAGABONDS' STORIES.

They were telling stories at the New Vagabonds' dinner in King's Hall last Friday evening. One of them was about Sir Morell Mackenzie meeting a lady at a somewhat mixed gathering, when the eminent physician remarked, “I feel I ought to know you.” “I'm John Strange Winter,” said the lady. Still the doctor hesitated. “I'm Bootle's Baby,” said she convincingly. But Sir Morell slid away, and approaching his hostess whispered, “You know, I suppose, there is a mad lady here. First she said she was a man, then somebody's infant, and apparently she believes both statements.” Poor Mackenzie, he ought to have been a judge. The editor of a well-known ladies' paper told the diners how one week, casually overlooking the “Answers to Correspondents” column, which was entrusted to a lady journalist, he read the following alarming statement, together with the business-like addendum:—“Martha.—The reply given last week was a mistake. You should have used  $\frac{1}{4}$  gr. of strychnine, not  $\frac{1}{4}$  lb. Jay's is the best house for mourning.”

#### JEWISH PHARMACISTS IN RUSSIA.

One occasionally obtains instructive glimpses into the conditions of pharmacy in Russia from the correspondence column of the Russian pharmaceutical journal. In the last issue of that publication for instance, the editor, in response to a question by a Jewish pharmacist, recapitulates the leading provisions of the law regulating the admission of Hebrews to the pharmaceutical profession in the country of the Tsar. It appears that at the end of 1893, during the Jew-baiting reign of Alexander III., an order was issued limiting the proportion of Jewish to Gentile pharmacists to 1 in 20. This order, however, has never been officially published, but was sent “confidentially” to the local authorities throughout Russia for their guidance. It is not retro-active, and does not, therefore, apply to students inscribed before its promulgation. Jewish chemists are allowed to change from one pharmacy to another within the same province without interference, but no Jew is allowed to remove from a pharmacy in one province to one in another unless he obtains permission from the authorities, which can be granted only if the proportion of Jews to the total number of pharmacists in the province to which the applicant desires to remove is still below the 5 per cent. fixed by the Government as the maximum.



## Constructive Criticism of the British Pharmacopœia.

## XIII. — ALCOHOL.

BY C. E. SAGE, PHARMACEUTICAL CHEMIST.

THERE is no single item in the present Pharmacopœia which will need more careful consideration than alcohol before a new edition is published. At the present time the definitions for absolute alcohol and rectified spirit are unsatisfactory; the adoption of a definite standard for absolute alcohol and the insertion of alcohol-tables similar to those published in the United States Pharmacopœia being urgent necessities.

The Pharmacopœia gives a method for preparing absolute alcohol which is not capable of yielding a product free from water, and by the characters and tests given it permits of the presence of from 1 to 2 per cent. It is not necessary for commercial purposes that it should be perfectly anhydrous, yet if a standard is to be adopted whereupon to base the much-needed alcohol-tables a definition of what absolute alcohol is must be inserted. Commercial absolute alcohol varies, so I find, in specific gravity from .797 to .7985, and for all practical purposes this is quite strong enough.

The standard adopted in the United States Pharmacopœia is based upon the results obtained by Squibb, and the gravity is given as .7938 at 60° F.; but the United States Revenue, for Customs purposes, states the gravity to be .7946 at 60° F., this gravity corresponding to 200 per cent. of "American" proof spirit. It is probable that the spirituous menstrua of the coming Pharmacopœia will not be summed up by the two strengths "rectified" and "proof," and in future it will be necessary to adopt a more definite method of expressing different strengths of alcohol. It has been shown by Farr and Wright that 80, 70, 60, 50 and 40 per cent. alcohol will be sufficient menstrua for all pharmacopœial purposes; and as there is no reason for retaining the special strength of the present rectified spirit, it would be conducive to uniformity to adopt in its place a 90-per-cent. alcohol, thereby obtaining a difference of 10 per cent. in all the official menstrua. This strength (90 per cent.) would be as readily obtainable as the present rectified spirit, and proportionately would cost no more. It would not be necessary to include directions for preparing each different strength above named, but general directions might be inserted for all; in framing these it is first necessary to state what is meant by the different strengths, and for practical purposes it will be simplest and most accurate to state the percentage strength to mean the amount of absolute (!) alcohol by weight contained in 100 parts by weight of the product. If this one method could be introduced it would facilitate the preparation of dilute alcohol, in so far that it would not be necessary to wait while the mixture of alcohol and water cooled to a definite temperature before its volume could be adjusted.

In compiling the alcohol tables, it will be very necessary to state to what the specific gravities are in relation, and the most reasonable method seems to be to compare the weight of a definite volume of alcohol with that of an equal volume of water at 60° F.

The general directions for preparing diluted alcohols of a definite strength might be worded somewhat as follows if a 90-per-cent. alcohol is made official:—

"To prepare alcohol of a weaker percentage strength from 90-per-cent. alcohol, take as many parts of the 90-per-cent. alcohol as the number of the percentage strength required, and make the weight up to 90 parts by the addition of distilled water. For instance, if 40-per-cent. alcohol were required, take 40 parts of 90-per-cent. alcohol and make up to 90 parts by the addition of distilled water."

That some definite standard should be adopted for the relative valuation of alcohol is imperative, now that the Pharmacopœia is so frequently quoted as an authority in prosecutions under the Food and Drugs Act, for even among the recognised published alcohol-tables considerable variations are noticeable, and such might lead to conflicting statements in the evidence given by analysts. The Pharmacopœia does give the alcoholic strength of the two wines, sherry and orange, but it does so with its own particular vagueness. Orange-wine is stated to contain from 10 to 12 per cent of alcohol, and sherry 17 per cent; but it fails to say what is meant by alcohol, and whether it is percentage by weight or by volume. It is true that this is not a matter of great importance in the two particular instances, but should the question be raised in the police courts as to the alcoholic value of a sample of quinine-wine purchased by a Food and Drugs Act inspector a very variable construction might be placed on the present description.

Under the heading "Characters and Tests" room will be found for entire revision, and the addition of the simple "ammonia-test" would be advisable, for much of the German spirit imported is not by any means "ammonia-proof"—that is to say, it contains aldehyde bodies which upon the addition of ammonia yield a liquid of a pale-canary colour, so often seen in tinct. quinine ammon. and lin. camph. co. The amount of fusel oil and organic matter present in rectified spirit is limited now by the silver-nitrate test, but traces even of fusel oil should not be permitted to pass muster, as its presence may readily be detected by mixing the sample with its own weight of water and a fifth of its weight of glycerine, pouring on to a filter-paper and drying gently: the glycerine retains the fusel oil, which by its unmistakable odour gives evidence of its presence. These, together with an explicit definition of what is to be understood by alcohol, and tests for neutrality, methyl alcohol, and dissolved matter, should be subjects worthy of consideration by the authorities entrusted with the publication of the next edition of our national Pharmacopœia.

**MEDICAL MEN AT A DISCOUNT.**—At a meeting of the Wellington (New Zealand) City Council on April 9, the Mayor reported the appointment of Mr. J. H. Collier as dairy inspector for the district, and stated that the 123 applications received for the position included two from medical men. Councillor Fraser said it was a pity a medical man had not been appointed. The Mayor explained that the Conference had expressly decided not to select a man with a medical diploma. The singular prejudice on the part of the council against persons who could produce such *prima facie* evidence of fitness for the post and general culture as is afforded by a medical diploma has been commented upon in severe terms by the local journals.



## Personalities.

MR. HAROLD SENIER, F.C.S., chemist and druggist, is now manager of the Eastman Photographic Materials Company's factory at Harrow.

MR. HENRY MASON, who for upwards of fifty years has been in business as a chemist in Old Street, E.C., has been elected to a vacancy on the Dulwich Gift.

MR. A. C. COLE, chemist, of High Road, Lee, has been elected by the Lee Vestry a member of the Lee District Board of Works for the ensuing three years.

MR. J. J. MATTHIAS, pharmaceutical chemist, 233 High Street, Lewisham, has been elected by the Lewisham Vestry a member of the District Board of Works.

MR. W. E. GOFF, pharmaceutical chemist, of High Street, Dartford, has been elected a member of the Dartford School Board for the ensuing three years, receiving 588 votes.

MR. THOMAS STEPHENSON, F.C.S., assistant manager of Phillips & Co. (Limited), Bombay, has come home on six months' sick leave, and has gone to Scotland to recruit. Letters addressed to Mr. Stephenson, at 48 Frederick Street, Edinburgh, will find him.

THERE is an excellent portrait of Sir John T. Brunner, Bart., M.P., by Mr. Arthur Hacker, A.R.A., in the Royal Academy. Sir John is mellowing, and his rich brown hair is now shading into a sober grey. In the same room is Rudolf Lehmann's portrait of the late Sir Andrew Clark, M.D., which is a striking success.

MR. FRANCIS ALFRED HOWARD, third son of Mr. David Howard, is sixth wrangler in the Cambridge mathematical tripos. Mr. F. A. Howard went up in October, 1892, and holds a scholarship at Pembroke College. He has frequently been at the top of the college examinations for mathematics. Mr. Bromwich, the senior wrangler, is the son of one of the leading chemists of Durban, South Africa. Young Bromwich was born in Wolverhampton twenty years ago.

DR. NESTOR I. C. TIRARD, who has been appointed Medical Secretary of the Pharmacopœia Committee, is an old King's College student. He took the M.R.C.S. in 1876 and M.B. Lond. the following year, and M.D. in 1881. He got the F.R.C.P. in 1886. Dr. Tirard is Professor of Materia Medica and Therapeutics in King's College, London, and has been an examiner in materia medica at the University of London, at the Royal College of Physicians of London, and to the Conjoint Board. He is the author of several works on materia medica, and has written numerous papers on therapeutical subjects.

"COLONEL NORTH," says *To-day*, "should make a good thing out of his camphor-deal, now that the Japanese have got Formosa, and are likely to want a good deal of its camphor, for the manufacture of cordite, and other purposes. The Colonel has the control of nearly the whole of the present stock of camphor, and has all the materials at his command for a very pretty 'corner.' Not content with his camphor-deal, Colonel North is buying, or has bought, all the cloves in the market. Apart from the pudding and sauce of domestic life, cloves are required for certain 'essential oils' used in the preparation of well-known patent medicines." We take such utterances meekly.

THE botanist among the new Fellows of the Royal Society is Dr. Reynolds Green, who eight years ago took Robert Bentley's place as Professor of Botany to the Pharmaceutical Society. He had, says the *Star*, some idea at first of spending his student years in London, and, in fact, took a degree at Burlington House. But the brilliant band of men at Trinity drew him away to Cambridge, and he was presently taking double-firsts, acting as university demonstrator in physiology, and winning honours and renown all along the line. He has had the advantage of working with Dr. Vines. The record of his investigations into the nutritive properties of plants grows longer every year.

TUNKOO ABU BEKAR BIN IBRAHIM, Sultan of Johore, who died at Bailey's Hotel, Kensington, on June 5, was known to English people chiefly owing to his public appearances and the magnificence of his jewels. Few knew how much he had done in his State to promote economic forestry, and

in the promotion of better arboricultural and agricultural methods, connected more or less directly with drug-supplies. Thus, the late Sultan put the Borneo camphor-supply on a satisfactory footing, and the production of such things as gambier and pepper was much improved during the earlier years of his reign. Much of this work has now become departmental in the State, which latterly was ruled independently of him.

THE *Local Government Board Journal* of last week contains a portrait and biographical note of Mr. Harry Westbury Preston, who has recently been appointed Clerk to the Guardians of Hampstead. Mr. Preston is the son of Mr. Alfred Preston, the wholesale druggist. In 1886 Mr. Preston, after training with a city firm of solicitors, was admitted as a solicitor, and became managing clerk to Messrs. Lane, Monro & Souther; but in 1889 he commenced practice on his own account at 12 King William Street, and afterwards in Abchurch Lane. He is 33, is married, and lives at Fitzjohn's Mansions, Hampstead.

WE notice that Mr. J. H. Smith, pharmaceutical chemist, Newark, who is hon. secretary of the local Half-holiday Association, is getting great praise for the manner in which he managed the excursion of the Association on Whit Monday. Mr. Smith also captained a cricket-team of the gentlemen who opposed a ladies' eleven, the conditions being that the gentlemen should use shortened broomsticks as bats with the left hand, and they were to bowl and field also left-handed, while the ladies were to use both hands and defend their wickets with proper bats. Mr. Smith's eleven started well (they won the toss), but of course the ladies beat them easily, Miss Hickling scoring 22, which was within three of the gentlemen's total. The trip was to Belvoir Castle.

## Business Changes.

MR. W. T. JONES, 39 Fox Street, Treharris, has disposed of his business to Mr. T. Thomas.

MR. J. D. FLORENCE, High Street, Feltham, has disposed of his business to Mr. J. W. Hoyle, late of Southsea.

MR. TOM TIJOU, Rotherhithe New Road, has reopened the chemist's business at 180 Upper Kennington Lane, S.E.

MR. WALTER BALLARD, 126 Newington Causeway, S.E., has disposed of his business to his manager, Mr. Carter.

MR. JOHN PARROTT, High Street, Esher, has purchased the business of Mr. W. Thacker, 4 Foxton Terrace, Richmond, Surrey.

MR. T. BREWERTON, of Padiham, Lancs, has purchased the business from Mr. Eatough, 65 Aughton Road, Birkdale, Southport.

MR. P. H. GALLOWAY, of Walworth, has purchased the business at 30 Lucas Road, Kennington Park, S.E., from Mr. Isaac Jones.

MR. J. R. WOOSTER, Broadway, Turnham Green, has disposed of his business to Mr. Webber, in consequence of retiring from the trade.

MR. JOHN EYRES, Albert Road, Southsea, has purchased the business from Mr. J. W. Hoyle, 96 St. James Street, Southsea, and will continue it as a branch.

THE partnership between W. Manuel, H. Elliott, and F. E. Howell, under the style of "Manuel, Elliott, & Howell," Sheffield, manufacturing chemists, has been dissolved.

MESSES. PARKES, are fitting up a handsome pharmacy at High Street, Putney, and they have also purchased the business of Mr. J. T. Palmer, George Street, Richmond, Surrey.

THE business of Lofts' Patent Check-till Company (Limited) has been purchased by Messrs. Geo. Gledhill & Co., of Halifax, and business will be continued as usual at the old address, 112 Hills Road, Cambridge, under same management as hitherto.

MR. ALEXANDER ELLIS, of Skelton-in-Cleveland, has disposed of his business to Mr. Walter W. Kingston. Mr. Ellis will shortly commence a new business at Victoria Terrace, Westoe Road, South Shields, which is being fitted for him by Messrs. Evans, Sons & Co., Liverpool.



## Photographic Notes.

### NEW BESSUS FILM-HOLDERS.

MESSRS. AIRS & Co., 152 Farringdon Road, E.C., have brought out some new designs of their useful holders, which I have stocked ever since THE CHEMIST AND DRUGGIST brought them under my notice six months ago. They are so useful for keeping the fingers clean, not to mention other advantages, during the dark-room work. Three forms of the



FIG. 23.



FIG. 25.

new holder are for roller films, and No. 23 illustrates how it is used. By pressing the handles, the side-bars (stretcher, the makers call it) come closer together; then one slips the film into the holder, allows the side-bars to go home again, and there we have the thing as rigid as a plate and as easy to develop. Another form is a holder for cut films, which it keeps out of curl while developing, washing, and drying. They are made in five sizes, from  $\frac{1}{4}$  to  $\frac{1}{2}$  plate, and are cheap for customers and profitable to retailers.

### HOT WEATHER TROUBLES.

DURING the hot weather I get many complaints of prints sticking during the process of enamelling by squeegeeing on to glass. The remedy is to give the prints, after fixing and washing, fifteen minutes in an alum bath (alum 2 oz. in a pint of water), followed by a short washing to remove the alum. It is important to have the glass quite clean, and it should be rubbed with the waxing-solution (*C. & D.*, page 601, 1895). Plate glass makes the best medium for enamelling; but if secondhand glass is used care must be taken that it is free from scratches. If the prints are allowed to partially dry before placing on the glass it makes success more certain, although the polish obtained is not so brilliant. A refinement on the use of alum, suitable for retailing, is—

### CONCENTRATED ALUM SALT.

#### (For Hardening-purposes)

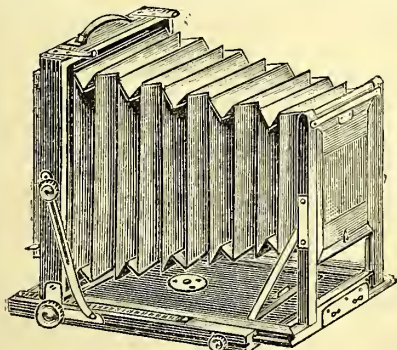
|                            |     |
|----------------------------|-----|
| Aluminium chloride .. .. . | 3j. |
| Powdered alum .. .. .      | 3v. |

M.

To make "alum bath," dissolve a teaspoonful in a pint of water. One-ounce wide-mouth bottles of this salt sell at 6d.

### NOTES.

I HAVE just had in three more half-plate "Princess May" cameras made by the London and Paris Optic Company



7 Jewin Street, E.C. It is a camera which gives one credit to sell, the workmanship and fitting being excellent. They

can be had with any name on—*e.g.*, the retailer's. The style can be seen from the engraving.

I NOTICE some good bargains in Jonathan Fallowfield's "Photographic Remembrancer" this month, and I gather from it that the new discount Companion to the Annual is ready. Of course no one who deals in Fallowfield's goods can get along without the Companion.

MESSRS. THORNTON-PICKARD seem to be taking steps to prevent cutting their goods below catalogue-price. On the last invoice I had from them there is a notice to the effect that 5 per cent. cash discount is the lowest rebate that shall be made to purchasers. They also name a London store to whom their goods are not under any circumstances to be sold, so I presume they have already had a little difficulty in that direction.

## Trade Notes.

WE understand that negotiations for the acquirement of the business of Messrs. James Floyd & Co., of Bury St. Edmunds, for the Chemists' Co-operative Society (Limited) have been broken off.

ADALBERT VOGT's well known putz-pomade has been such a success in this country that the style in which it is put up is taken as the recognised thing for such preparations. It is, therefore, important that retailers and wholesalers should note that Mr. Vogt has obtained an injunction against a firm for imitating the get-up of his "Helmet Brand" paste. The agents for Mr. Vogt's firm are Messrs. Müller & Co., 21 Mincing Lane, E.C., who offer to assist retailers by a liberal supply of handbills and show-cards.

MESSRS. BENNETT, SONS & SHEARS (LIMITED), 167 Kingsland Road, E., in their still-catalogue, which has just been published, give illustrations and useful notes regarding a number of copper stills for simple distillation and rectification. We particularly note the condensation arrangements, which include ordinary worm condensers, upright tubular condensers, and those highly efficient condensers which are adapted for continuous rectification. Judging from the blank specifications, which are an integral portion of the catalogue, the firm are in a position to meet the demands of any order.

IN these days of new soaps we are apt to forget old favourites such as Brecknell's skin soap. We hesitate to say how long ago it is since we handed many a packet of this soap over the counter; but the soap world was very young then, and there was little good stuff about. We have recently had an opportunity of examining the soap, and it is surprising how it conforms to modern notions as to what is a good, true soap. We commend the dainty, old-fashioned packets to the attention of the trade. It is still put up in tablets and squares—four of the former and eight of the latter to the packet—by the old-established firm Messrs. Brecknell, Turner & Sons, Haymarket, W. They mean to keep it well before the public and the trade in future, we understand.

It will be observed from an advertisement in this issue by the Dr. Williams's Medicine Company that they wish to advertise the "Pink Pills for Pale People" in chemists' almanacks, price-lists and the like. We understand that no reasonable offer of space will be refused, so all who read this, and who publish almanacks and price-lists, should send specimen copies with particulars of circulation and terms for position, to the company, at 46 Holborn Viaduct, London, E.C. If we may judge from a casual conversation which we had recently with Mr. Fulford, the principal stockholder of the company, this offer is prompted by his sympathy with chemists in these cutting times. Mr. Fulford is a Canadian pharmaceutical chemist, and thinks cutting is folly. And he would prevent it so far as his pills are concerned if he could.

AN OINTMENT SLAB made of layers of parchment-paper is one of the latest Boston ideas. After making an ointment the top sheet is torn off.



## Quatrains.

### MAINLY BY "MINOR" POETS.

**T**HERE is one pharmaceutical stream that never runs dry. When times are barren of profit and trade dull, or when everything is prosperous and the pharmacist takes the curriculum or research fetish to his soul as the salvation of the craft, we can depend upon it that rills which feed the rhyming stream still sparkle and trickle, and we have only to announce that our competition reservoir needs replenishing to bring us a veritable spate of rhymes.

This time it was quatrains we wanted, and we gave a sample. There was nothing Davidsonian about it, and we were not very particular about the subject of the verse as long as it was pharmaceutical. The main fact was that we were prepared to pay at Poet Laureate rates for the best quatrain. One competitor heralded a shower of postcards with this one:—

In the CHEMIST AND DRUGGIST I see  
The Editor offers a fee  
Of twenty-one bob to the cleverest noh :  
I wist if that guinea's for me.

#### CANNON STREET.

From Cannon Street, London, E.C.,  
Comes weekly the famed *C. & D.*  
It supplies sound advice at the minimum price,  
Which is what we want—to a T.

FERRUM

#### A Tribute of Esteem.

Under the shadow of St. Paul's,  
Within the City's fold,  
There lives a sage, for wisdom famed  
As Socrates of old.

Guide, counsellor, and friend is he,  
Urbane and wondrous kind ;  
Methinks that all do know him well,  
Except, perchance, the blind.

J. J. PIERCE.

Whilst visiting Kilrush, County Clare,  
My ills they nigh made me swear,  
At a pharmacy store I obtained cures galore—  
THE CHEMIST AND DRUGGIST was there.

T. LINDSAY.

There was a young chemist of Cray,  
Who always took in the *P. J.*  
He cal'd once on "Maw," and the *C. & D.* saw—  
A subscriber he's been since that day.

J. HOWELL.

#### Suggested by some of the Questions Asked in our Correspondence.

The governor was a magistrate,  
The prisoner had was he.  
"How shall I him regenerate ?  
I'll ask the *C. & D.*!"

W. R. EYRE (Malta).

There was a young chemist of Trent  
Had been out of a crib since Lent.  
He cared not a bit—there was always a "sit."  
In the *C. & D.* Supplement. A. BEAGLEY.

There was a young chemist of Perth  
Who wanted a nice easy herth.  
He to Cannon Street sent for the "hrown  
Supplement" :  
He's now got the best place on earth.

ALONZO J. FREELAND.

#### Some "C. & D." Advertisers.

A "Draper" named "Evans" got "Snowdon" a  
"Jill."  
So a "Gardner" and "Coleman," and "Boyce"  
with a "Will,"  
And a "Millar" quite "White," and a "Woolley"  
Taylor  
Got him down all "Oakey" (O.K.)—he's now  
"Cook" at "Ashmore."

CHARLES BIDDLE.

We recognise that there are some in the position described  
by our old friend "Vernon, Penge," who informs us—

There was a young man of Devizes,  
Who tri'd for the *C. & D.* prizes,  
Both in prose and in verse ; hut nought came to his purse,  
So now the whole thing he despises.

A little more than half of the competitors on this occasion have by various devices succeeded in getting placed along with the young man referred to. With a few of them malice aforethought, want of respect for common decency, or use of language which can only be expressed by dashes, has ensured quick adjudication of their productions. We do not pretend to be sorry for such poets, but we hope they are sorry for themselves.

Of the selected verses there are a few which are not quite according to sample, but they seem too good to reject, and we include them upon their merits. We shall not award the prizes until the whole selection has appeared. We shall arrange the verses as far as possible according to subject, and two centres of pharmaceutical thought in London may appropriately start the series.

#### BLOOMSBURY.

There was a great chemist named Carteighe,  
Whose manners were genial and hearty ;  
At the head of the poll this jolly old soul  
Was frequently placed by his party.

VERNON (Penge).

A gent, whose cognomen was Carteighe,  
As a chairman was jolly and hearty,  
One day his chair fell—the chairman said—"we'll,  
'Twas a place wherc he wished "t'other par-  
teighe."

J. TAYLOR.

There's a pharmacist famous, called Car-  
teighe ;  
In manner he's generous and hearty.  
He can build any pill, hut he can't draft a Bill  
That will please each 'centical party.

SQUIRE K.

There's a fund at Bloomsbury Square,  
Dealt with justly, and broadly, and fair,  
In these times of distress  
When our friends are hard pressed,  
We ask all to give what they can spare.

BENEVOLENS.

There was a professor heroic,  
Who studied the aconite hase,  
Found acónine and acid benzoic,  
But of acetic not even a trace.

ALKALOID.

#### Concentrated Committee Report.

"Your remarks we do not like at all—  
'T'other Saint finds them bitter as gall.  
This really won't do !"—that's how they pooh-pooh  
The latest epistles from Paul. E. H. S.

#### CAMPHOR CORNER.

Colonel North desires to attest  
That there's money within camphora ;  
And a rumour in south, east, and west,  
Says the gallant's "gone for" Formosa.

ARTHUR GRAEME.

#### TO BEECHAM.

Good old Beecham, rum old fox,  
Swears his pills "Worth a guinea a box"—  
Buy 'em, try, you never will die.  
Nothing like ads. to make the stuff fly.

E. H. ROGERS.

Oh, Beecham's the fellow for pills !  
They are bound to eradicate ills.  
And then, what is best, without any jest,  
They fill up the holes in your tills.

TAURUS.

Whether or not the druggist wills,  
He's bound to deal in Beecham's pills.

RIP RAP.

#### TO BOWERS.

An up-to-date printer named Bowers  
Woud study his clients for hours ;  
And the slices he cut from that famed "Cocoanut"  
Have proved o'er all printers he towers.

A. FELTHOUSE.

#### TO BROWN.

Kind friends and fellow creatures all,  
List to my tale of woe :  
The weeks of suffering I've endured  
None hut the suffering know.

Bronchitis is the dreadful name  
They give to my condition ;  
My cough was awful, and my breath-  
Led very near perdition.

Oh, lucky day that brought relief !  
List to my tale of joy—  
Brown's bronchial mixture cured me quite ;  
Now peace without alloy. CLARKE.

#### TO THE LITTLE LIVER PILL.

You're certainly ill, and, in brief,  
Your liver's the cause of your grief ;  
But why do you suffer—unless you're a duffer—  
When Carter's will give you relief ?

WILLIAM A. W. MCBRIDE.

#### TO ELLIMAN.

For rheumatic, sciatic, or ague,  
Neuralgia, sprains, or stiff knee,  
Sure what the clown says is true,  
Elliman's is the rub for me.

J. ARTHUR.

#### TO BLONDEAU.

Come, Vinolia, thou'rt my theme  
(Call it not a trifling story) ;  
Of thy fragrance I would dream,  
Sailing on a cloud of glory.

J. McM.

There was once a pretty young miss  
Whom her lover delighted to kiss.  
She was fragrant and sweet—looked, indeed, quite  
a treat—

'Twas "Vinolia" that brought her such bliss.  
E. L. ROSSITER.

The Latin for leaf it is folia ;  
The ditto for oils it is olea ;  
And young Latin scholars who wear Eton collars  
Say the Latin for soap is "Vinolia."

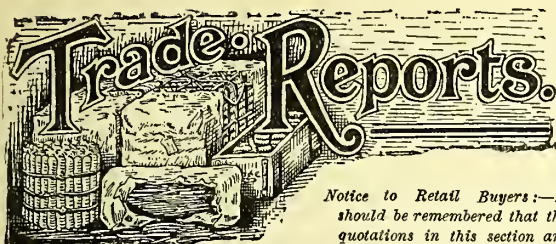
MISS ROSE.

#### TO BUCHAN.

There was a smart chemist, named Spicer,  
Stocked "Buchan's perfumed fly-suticer" ;  
He sold all the lot—another stock got,  
And telegraphed Buchan—"Nun nicer."

A. FELTHOUSE.





Notice to Retail Buyers:—It should be remembered that the quotations in this section are invariably the lowest net cash prices actually paid for large

quantities in bulk. In many cases allowances have to be added before ordinary prices can be ascertained. Frequently goods must be picked and sorted to suit the demands of the retail trade, causing much labour and the accumulation of rejections, not all of which are suitable even for manufacturing purposes.

It should also be recollected that for many articles the range of quality is very wide.

42 CANNON STREET, E.C., June 13.

UP to the present business in the produce-markets shows little or no signs of revival since the Whitsun holidays. The great syndicate of speculators which kept things lively in May has apparently suspended its operations for the present, and most of the articles which it stirred up are relapsing once more into lower prices. This condition of things may not last, but it has made itself felt very unpleasantly this week. To-day's drug-auctions passed off exceedingly quietly, only a small proportion of the goods offered being sold. In drugs the following are the principal alterations:—*Cape aloes* very firmly held and scarce; *Buchu*, *Ipecacuanha*, *Tinnevelly senna* and *Quince-seed* full up to slightly dearer. *Opium* fairly steady. *Crude camphor* very firmly held without any sign of wavering. *Colocynth* scarce and dear, *Jalap* well maintained in price. *Vanilla* is firm and dear, *Beeswax* and *Honey* of the new crop rather easier. *Kola-nuts*, *Cassia oil* and *Soudan gums* are tending lower, and there have been more or less pronounced declines in *Menthol*, *Cascarilla*, *Ergot of rye*, *Oil of peppermint* (HGH), *Cardamoms* and *Cascara sagrada*. In chemicals the chief alteration is a drop in *Cocaine*. *Quinine* is barely steady, *Prussiate* and *Chlorate of potash* are firmer, *Caffeine* exceedingly scarce and dear. In *Iodine* there is no further news; *Sulphate of copper* keeps firm; *Citric acid* has been sold at lower rates in second-hand. In other articles connected with the drug-business we have to record a severe drop in *Shellac*, lower prices for washed *Cochin ginger* and *Zanzibar Cloves*, a dull market in *Caraway-seed*, and lower rates for *Turmeric* and *Gambier*. *Quicksilver* is firm, and *Alcohol* shows no change. *Fire Jamaica Ginger* has advanced, and *Nutmegs* are 1d. per lb. dearer. *Petroleum* and *Turpentine* flat, *Cotton seed oil* firmer, *Linseed oil* steady. The Bank-rate remains 2 per cent. Bar-silver has declined to 30 $\frac{3}{16}$ d. per oz.

#### The Amsterdam Cinchona-auctions.

Our Amsterdam correspondent, telegraphing on Thursday night, states that at the cinchona-auctions held in that city 5,930 packages of Java cinchona were offered, of which only 3,474 sold at an average unit of 287c. per half kilo, or about  $\frac{1}{16}$ d. per lb., a decline of about 2 per cent. on the auctions of May 9, when the average was 292c. The result of the sale was a great disappointment to many holders, who had expected a slight advance. The approximate quantities of sulphate of quinine (in kilos) purchased by the principal bayers were as follows:—Philadelphia and Paris, 8,227; Brunswick, 984; Mannheim and Amsterdam, 461; Frankfort-on-Main and Stuttgart, 2,471; Auerbach, 1,791;

Howards & Sons, 2,445. The range of prices for manufacturers' barks was from 1½c. to 29c., for druggists' from 7½c. to 75½c. per half kilo. The general tone is dull and depressed.

#### Newcastle-on-Tyne Chemical Report.

Our Tyne correspondent, writing on June 12, remarks that a fairly strong demand for heavy chemicals continues, and prices are easily maintained. Shipments to the Baltic have decreased slightly, but it is pleasing to note that the exports of *Bleaching-materials* and alkali for the five months ending May 31 are considerably above those for the corresponding period of last year, bleaching-materials showing an increase of 70,864 cwt. and alkali of 262,501 cwt. The former is still firm, and in good demand, at 7l. 5s. per ton net, softwood casks; 7l. 10s. per ton net, hardwood casks. *Soda crystals* have taken a higher turn, and are now quoted at 35s. to 37s per ton, in bags. *Hyposulphite of soda* continues very active, at 6l. per ton net for 5-7-cwt. casks; 1-cwt. kegs, 6l. 12s 6d per ton net. *Recovered sulphur* is easier, and is offered at 3l. 17s. 6d. per ton net, in 2-cwt. bags. *Yellow prussiate of potash* better, at 7½d. to 8d. *Chlorate of potash* firm, at unchanged rates. *Pure white Sulphate of alumina* is brisk, at 4l. 2s. 6d. per ton net for crushed in casks, with the usual allowances for loose lumps and slabs. A fair inquiry has been experienced for *Blanc fixe* and *Chloride of barium*, and moderate orders have been passed. *Mineral Carbonate of barytes* has declined somewhat, but for the pure precipitated product the demand continues strong, at late prices. *Caustic soda* very firm. *Oxalic acid* firm, at 3½d per lb net, any port. *South Durham Salt* steady, at 9s. to 9s 6d. per ton, f.o.b. Tees. Other products continue as before.

#### The Scotch Chemical Market.

Our correspondent, writing on Wednesday, states that the demand for almost all classes of heavy chemicals continues very brisk. The market has a much better tone, and consequently prices are fully maintained. Quotations for *Sulphate of ammonia* continue to fluctuate; the position is now, however, fairly firm, and for prompt from 9l. 15s to 10l. per ton f.o.b. Leith is asked, and present indications seem to point to a further advance. Forward business has been transacted at as high as 10l 10s. During the past week 592 tons have been exported from Leith. *Chlorate of potash* is still firm, though there is no further change to report in value, 5d. per lb less 5 per cent. *Liverpool* being quoted. *Nitrate of soda* is steady but rather quiet at 8s. 3d. to 8s. 6d. per cwt. *Borax* and *Boracic acid* are still disappointingly low, being respectively for English refined 20l and 30l. per ton net Glasgow from the makers. *Lead compounds* show no change in values and are quiet, but *Sulphate of copper* has a slightly higher tendency, and is quoted 15l. 12s. 6d. per ton less 5 per cent. *Liverpool*. The demand for *Sulphate of alumina* has been somewhat easier, but *Alum* continues fairly firm and is in good request at 5l. 10s per ton net Glasgow, for lumps. *Saltcake* is brisk, while *Bleaching-powder* is quieter. There are no further alterations to note in prices.

#### The Liverpool Drug Market.

Our Liverpool correspondent, writing on June 12, reports that in *Gum acacia* the medium qualities are more inquired for, and bids have been made within easy reach of owners' limits, and refused for a good quantity. *Sorts* are still rather neglected, but prices have eased off to a reasonable extent, and a better demand is looked for. *Chilian anise* is still quoted 23s cwt., but the demand is slight. *Canary seed* is tumbling down rapidly, and prices show a considerable drop from the highest point reached. Sales to arrive have been made at prices in the near neighbourhood of 40s. per qr. More business has been passing in *Chilian beeswax*, and 25 bags of grey to yellow sold at 7l. 15s to 8l. 5s. per cwt. A parcel of *African (Sierra Leone)* sold at 7l. cwt. *Castor oil*—The *Wanderer* with 1,000 cases has arrived, and prices have eased off slightly, 2 $\frac{3}{4}$ d. for good seconds *Calcutta* being quoted, while first pressure French is procurable at 2 $\frac{1}{16}$ d. and second pressure at 2 $\frac{1}{32}$ d. per lb. In *Chillies* more business has been passing, and prime bold reds (*Sierre Leone*) have been sold at 32s 6d. cwt. There are buyers of *African ginger* at 29s. cwt., but owners are asking 30s. for sound root. *Cream of*



*tartar* is easier at 68s. to 70s. per cwt. *Tonca beans* are quiet at the moment, and there is no business to report. *Honeys* of all descriptions are very steady at late rates.

#### Dalmatian Drugs.

Mr. Haggard, the British Consul at Trieste, reports that the cultivation and production of the chrysanthemum (insect-powder) plant are diminishing through the lowering of prices, and that the same applies to oil of rosemary, produced on the islands of Lissa and Lesina.

**ACACIA.**—*Soudan* sorts are quite neglected, and the price tends downwards; but even under those circumstances there are few, if any, buyers. At auction nothing of this quality was offered. Two cases *Aden* gum were bought in, and 17 packages hand-picked *Trieste* gum also retired without being sold, small to medium clean pale being held for 11*l*; fair yellow, 6*l*. 5s.; small pale yellow, 5*l*. 10s. to 5*l*. 12s. 6*d*.

**ACID (CARBOLIC).**—Quiet, the nearest quotations for crystals being—34° to 35° C., 5½*d*.; 39° to 40°, 6½*d*. per lb.

**ACID (CITRIC).**—The makers' prices show no change, and remain at 1*l*. 1½*d*. to 1*l*. 2*d*. per lb. A second-hand holder, however, forced off about a ton of citric acid a few days ago at some reduction in price—namely, 1*l*. 1½*d*. to 1*l*. 1¾*d*.; but it is doubtful whether it would now be possible to obtain any more second-hand acid at that figure.

**ACID (TARTARIC).**—Firmly held by the makers at 11¼*d*. per lb. for either K.B.C. or J.B.L. brand.

**ALOES.**—Privately there has been a fair demand for *Cape* aloes, but there is very little to be had in importers' hands at present. At the auctions to-day only 13 cases were offered, all of which were second-hand aloes, one case sold at 22s. for medium quality, but others were bought in at from 26s. for good hard, downwards. *Socotrine* aloes in fair supply but without inquiry, from 65s. to 70s. is asked for good quality. Of 60 cases fair pale but very damp aloes from *Aden* five sold at 33s. per cwt. *Curacao* aloes in moderate supply, of 218 packages 90 sold at 18s. per cwt. for ordinary brown, fair livery in gourds was bought in at 30s. per cwt.

**AMBERGRIS.**—A few sales were made to-day at from 41s. to 65s. per ounce for ordinary dark to medium, and at 15s., subject to approval, for very common quality.

**ANNATTO.**—In moderate supply. Twenty-five packages good bright seed from *Madras* were bought in at 5*d*. per lb. to-day.

**ASAFETIDA.**—The auctions included the large quantity of 726 cases, the bulk of which had been offered before. The owners were very firm, and there was no demand at the prices required by them, consequently the whole of the supply was bought in, with the exception of a few cases partly heavy stony grey, partly pinky block, which sold at 49s. per cwt. One of the brokers reported that he had sold 81 cases of his supply privately before the auctions.

**BALSAM (CANADA).**—Dull of sale; 3 casks were bought in to-day at 1*l*. 6*d*. per lb.

**BALSAM (COPAIBA).**—Neglected. Six cases thick, bright *Maranham* are held, it is said, for 1*l*. 11*d*. per lb.

**BALSAM (PERU).**—Firmly held at 9s. 6*d*. per lb. for good genuine quality.

**BENZOIN.**—Seven cases *Siam* gum were offered to-day, but no sales were effected. Of 139 cases *Sumatra* benzoin only about 8 found buyers at unaltered prices—viz., 7*l*. 5s. to 8*l*. 10s. per cwt. for ordinary to good almondy seconds, partly false-packed, and 6*l*. 7s. 6*d*. to 6*l*. 10s. per cwt. for dull thirds. A bid of 13s. 6*d*. per cwt. is to be submitted for a parcel of ordinary *Palembang* gum of old import.

**BUCHU.**—Very firm, and generally ¾*d*. per lb. dearer. Of 40 bales offered to-day, 19 sold at 3¼*d*. to 3½*d*. per lb. for good bright round green leaves; dull greyish oblong leaves realised from 1½*d*. to 2*d*.; and dull long narrow were bought in at 6*d*. per lb.

**CAFFEINE.**—The spot market seems to be practically cleared of supplies: a few pounds could, perhaps, be found

at 27s. per lb., but that is all. The manufacturers are very reluctant in quoting; their list-price is still, we believe, 16s. per lb., but as a matter of fact they get many shillings more for anything they have to offer. *Whiffen's* brand was last sold, we understand, at 21s. per lb. for August-September, and something more might yet be had at that price. *Howard's* caffeine does not seem to be quoted by the makers for forward delivery. The general feeling is that prices will further advance. Meanwhile, we hear that a scheme is on foot for importing caffeine containing material in the shape of waste leaves and trimmings of the Ceylon tea plantations, and it is hoped that facilities will be given by the Customs for the importation of this matter in bond, and its denaturalisation apart from the refuse of the tea warehouses, so that a constant supply may be procured without interruption. A trial shipment of refuse of this kind is now, we believe, being tested by one of the English caffeine-makers.

**CALUMBA** appears to be a little more firmly held; the small supply of 40 bags offered to-day was bought in at 21s. to 30s. for good bright yellow.

**CAMPHOR (CRUDE).**—No speculative business has taken place, it seems, in London this week; but the market remains firm, and we hear that yesterday 300 piculs *Formosa* camphor, May-July shipment, were sold for the Continent at 165s. per cwt., c.i.f. terms. There are now very few sellers of *Japanese* camphor, and cablegrams from Japan quote 170s., c.i.f., for June-August shipment. At auction to-day three parcels of camphor were offered and all bought in: 94 tubs *Japanese* very dry (1890 import) at 170s. per cwt., 70 tubs *Japan* at 165s. (it is said that 160s. was bid for these), and four cases *Formosa* at 160s. per cwt. For the last-named parcel an offer of 152s. 6*d*. was refused.

**CAMPHOR (REFINED).**—A firm market, but rather inactive. It was reported yesterday that the refiners contemplated another advance of 2*d*. per lb., but we find, upon inquiry, that the *English* makers, at any rate, have no immediate intention of raising their quotations. At auction 2 casks *German* refined bells were bought in at 1*l*. 8½*d*. per lb., 1*l*. 8*d*. being apparently the price.

**CANARY-SEED.**—Dull of sale. *Spanish* seed is quoted at 55s. to 60s. per quarter, according to quality; *Moroccan* at 52s. to 54s.; *Turkish* at 50s.; and *River Plate*, which has lately become somewhat firmer, at 40s. to 45s. per quarter.

**CANNABIS INDICA.**—Quite neglected, although some very nice lots were shown. Fair, partly stalky, green tops were bought in at from 3*d*. to 3½*d*. per lb.

**CANTHARIDES.**—Five casks good bright *Russian* flies, imported from Hamburg, were bought in to-day at 3s. per lb. This drug can be had at 2s., f.o.h. Hamburg, or at about 2s. 6*d*. London terms. Of *Chinese* cantharides 15 cases were bought in at 1*l*. 2*d*. per lb.

**CARDAMOMS.**—The moderate supply of 288 cases was offered to-day, about 160 packages selling at very irregular but generally lower, rates, the medium qualities especially being cheaper. The following were the quotations:—*Ceylon-Mysore*, good medium to bold plump pale, 2s. 7*d*.; small to medium ditto, 2s. to 2s. 3*d*.; small, 1*l*. 9*d*. to 1*l*. 10*d*.; very small yellowish, 1*l*. 5*d*. to 1*l*. 7*d*. per lb.; small to medium long, badly bleached, 1*l*. 7*d*. to 1*l*. 8*d*.; medium long yellow and brownish, 1*l*. 4*d*. to 1*l*. 5*d*.; specky, mixed sizes, partly split, 1*l*. 1*d*. to 1*l*. 3*d*. per lb. A parcel of mouldy, water-damaged cardamoms realised, according to quality, from 6*d*. to 1*l*. 2*d*. per lb. *Ceylon-Malabar*, medium to bold grey, 1*l*. 10*d*.; small to medium ditto, 1*l*. 6*d*. to 1*l*. 7*d*.; brown and dull, 1*l*. 2*d*. to 1*l*. 4*d*. Seed realised from 1*l*. 9*d*. to 1*l*. 10*d*. per lb. Among the cardamoms offered to-day was a 23-lb. bag from Grenada, W.I., which was bought in at the rate of 3*d*. per lb. The cardamoms were very poor, badly bleached and unclipped, and most of the pods were open.

**CASCARA SAGRADA.**—About 1*l*. 6*d*. per cwt. lower, half of a 40-bale parcel of fair bark from San Francisco selling to-day at 17s. per cwt. For the remainder a bid of 16s. 6*d*. per cwt. was refused.

**CASCARILLA** is from 3s. to 4s. lower, arrivals having lately come in somewhat freely. Of 90 packages imported from New York, 65 sold—good small grey quill at 40s. to 41s., thin brownish at from 30s. down to 24s. 6*d*. per cwt.



**CASSIA-FISTULA.**—Forty-one bags fair fresh thin pods, from Dominica, W.I., were bought in at 25s. per cwt.

**CINCHONA.**—*South American* cinchonas were badly represented at to-day's auctions. Thirteen bales thin grey *Guayaquil* quill were bought in without mention of price. Of cultivated *Calisaya* in bold, but rather dull, grey thin pieces, 18 packages sold cheaply at 11d. for sound, and from 8½d. down to 2d. for damaged. Thirteen serons bold thick bright flat spurious *Calisaya* (Cartagena?) realised 1s. 4d. per lb. Three bales damaged *Cartagena*, imported *via* Hamburg, were bought in at 1s. per lb.

**CLOVES** lower, with sales of 1,000 bales *Zanzibar* at 3½d. per lb.

**COCA**—For nice bright green, but broken, *Truxillo* leaves 10d. to 11d. per lb. is asked.

**COCAINE.**—On June 7 a circular was issued on behalf of the combined manufacturers reducing the quotation of *hydrochlorate* in bulk, in 100-oz. lots, to 13s. 9d. per oz. Several sales have been made at that figure in the course of the week; but on Wednesday nearly all the makers refused to continue selling at that price, and we have since heard that a fair trade has been done at 14s. per oz., which now appears to be the quotation. The outside manufacturer a couple of days ago refused to accept 13s. 6d. per oz. It is said that it is intended to commence the manufacture of crude cocaine in the Republic of Colombia, where a considerable supply of raw-material is available.

**COLOCYNTH.**—Very firmly held and in small supply, both for *Turkish*, which was not offered at the sales, but which realised 2s. per lb. privately, and for *Spanish*, of which seven cases were shown; these were bought in at 1s. 2d. to 1s. 3d. per lb. for fair bright quality; the price, we believe, is 1s.

**CORIANDER-SEED.**—*East Indian* seed is offering in large quantities at low prices. The first samples of new *Moroccan* coriander have arrived, and show fine quality.

**CREAM OF TARTAR.**—Best white *French* crystals are quoted at 67s. to 68s. on the spot, or 64s. f.o.b. Bordeaux; *German* powder at 70s. to 72s. per cwt.

**CUBEBS.**—Unchanged. For fair berries from Singapore, without stalk, from 47s. 6d. to 50s. per cwt. is required, but there are no buyers.

**CUMIN-SEED.**—A parcel of 10 serons *Mogadore* seed was bought in to-day at 28s. per cwt. The market is without activity.

**CUTTLEFISH.**—A particularly nice parcel of 80 bags bold white dry bone from the *Canary Islands* sold very cheaply to-day at 1½d. to 1¾d. per lb.; good but broken bone realising 1¼d. per lb. *Mogadore* cuttlefish was also offered, but found no buyers.

**DILL-SEED.**—Five bags of fair quality from Bombay sold at 11s. 6d. per cwt.

**DRAGON'S-BLOOD** is quite neglected; several parcels ordinary to good bright saucers from Singapore being bought in at from 6l. 10s. to 9l. 10s. per cwt.

**ELEMI.**—A 55-case parcel of genuine Manila elemi was bought in to-day at 34s. per cwt. For the bulk a very low bid (26s. per cwt.) will be submitted, and 11 cases of somewhat dirty mixed quality sold outright at 25s. per cwt.

**ERGOT OF RYE.**—Easier. *Spanish* ergot of fair quality sold at 8d. per lb. to-day, and 6 packages very wormy mixed ergot only realised 4¾d. to 5d. per lb. when sold without reserve. Reports from Spain, however, say that the crop, which will begin to arrive next month, will be much smaller than last year's.

**FENNEL-SEED.**—For a 66-bag parcel of good *East Indian* fennel-seed a bid of 13s. 3d. per cwt. was refused to-day, the limit being 21s. per cwt.; another lot of 21 bags brought 13s. per cwt. Eighty-four bags of bright *Turkish* fennel-seed were bought in at 25s. per cwt. There were no bids for it at 18s. per cwt.

**GAMBOGE.**—Quite neglected. Only one case of fair partly ricey and run pipe sold, at 7l. 10s. per cwt.

**GLYCERINE.**—M. A. M. Villon, who is said to be an expert, writes to the *Monde Pharmaceutique* that plant is at present being laid down in France which will make it possible to

produce pure refined glycerine, by a new process, at one-third of the present cost of the article.

**GUARANA.**—Slow of sale. Good quality may be had at 3s. 3d. per lb.; 1 case of ordinary was bought in at 3s. per lb. at auction to-day.

**GUM AMMONIACUM.**—Slow of sale. Seedy, partly dark and blocky gum was bought in at 30s. per cwt. to-day.

**HONEY.**—The first important arrivals of the new crop of *Jamaican* honey were offered at auction to-day. They consisted of 165 barrels, including some lots of unusually fine quality. The prices, on the whole, showed an easier tendency, except for the best lots, which realised fancy rates: fine thin clean yellow brought from 31s. to 34s. 6d., good liquid amber and brown from 23s. to 25s., rather dark brown from 20s. to 22s. 6d. per cwt. Of *Peruvian* honey, 25 cases thick pale candied were bought in at 23s. per cwt. For 55 cases nice clean liquid *Australian* a bid of 18s. was refused, and for 7 cases good candied honey from Brisbane an offer of 21s. per cwt. was rejected, the owner requiring 25s.

**INSECT-FLOWERS.**—The bulk of the business for this season is now over, and although prices in Trieste and London are very firm and supplies are not very large there is little desire to buy.

**IODINE.**—With reference to our note in last week's issue, we may say that the first official hint as to the possible break up of the Syndicate was given in a circular letter sent out by the Glasgow firm who represent the Syndicate to the various iodine-manufacturers, advising them to be careful in their operations, as a reduction would become necessary in case the second-hand offers should continue. Up to the present, however, no change has been made.

**IPECACUANHA.**—*Brazilian* (Rio) root was represented at to-day's auctions by 79 bales, of which 26 sold somewhat slowly at very full prices to an advance of about 1d. per lb.; fair to good sound, partly annulated, root realised from 4s. to 4s. 4d., and slightly damaged root the same price. *Cartagena* ipecacuanha is firm, 1 bag out of 7 offered selling at 3s. 3d. per lb. for ordinary quality; good damaged root is held for 3s. 8d. per lb.

**JABORANDI.**—Two bales bold greyish leaves, imported *via* Buenos Ayres, were bought in at 9d. per lb. to-day.

**JALAP.**—At auction 7 bales fair *Vera Cruz* were offered, of which 2 sold, subject to approval, at 10½d. per lb. Since the auctions the remainder has realised 11d. per lb., which must now be looked upon as the quotation; the market is, therefore, steady.

**KAMALA.**—Three cases from Bombay were offered to-day, and bought in at the time-honoured quotation of 10d. per lb.

**KINO.**—Five cases of a reddish astringent gum mixed with bark, from Bombay, were bought in at 60s. per cwt.

**KOLA.**—Tending rather easier. Of 45 bags shown to-day 3 *West Indian*, of fair quality, sold at 1s. 3d., and 3 *African*, rather damp, at 1s. 1d. per lb., both subject to approval.

**LIME JUICE.**—Slow of sale. For 11 puncheons rather dirty *West Indian* juice, offered to-day without reserve, the low prices of 7½d. and 9½d. per gallon were accepted.

**MENTHOL.**—Lower. Sales have been made on the spot at 13s. per lb. for fair quality. At auction several parcels were bought in, damp crystals at 14s. 6d., and good bright at 17s. (15s. being asked).

**MUSK.**—Dull of sale. *Tonquin* pods of the first pile, fine thin blue skin, were bought in at 85s. per oz. Only 2 tins of first-pile pods sold, without reserve, at 62s. 6d. to 63s. per oz. for small to bold, thin blue skin with heavy underskin, fairly dry. One tin second-pile pods, good, but very skinny, realised 39s. per oz.

**MYRRH.**—Altogether neglected. About 80 packages were offered to-day, but only a few lots of dark pickings sold at 25s. per cwt.

**NUX VOMICA.**—Unaltered. Fifty-seven bags medium to bold good pale silky seed, from Bombay, were bought in at 15s. per cwt. nominally, and 13 bags small to medium palish, from Colombo, sold at 5s. per cwt.

**OIL (COD-LIVER).**—Five 200 gallon casks of Newfoundland oil were bought in to-day at 5s. per gallon.



**OILS (ESSENTIAL).—**American *Oil of peppermint* is rather easier, sales of HGH brand having been made at 9s. 9d. per lb. on the spot. Japanese oil of peppermint is neglected, the value of dementholised oil being from 5s. 3d. to 5s. 6d. per lb., although a bid of 5s. 3d. was rejected for a lot offered at sale to-day. Cocking's oil, which was also offered by auction, is held for 6s. 3d. per lb.; oil containing 40 per cent. of menthol was bought in at 8s. 6d., which is fully 1s. 3d. above the market quotation. *Eucalyptus oil* is quite neglected; 9d. was suggested as the price for one or two lots from Melbourne and Sydney, but no sales were made. *Cajuput oil* of good quality offers at 2s. 8d. per bottle. A case of good West Indian *Oil of limes* sold at 1s. 8½d. per lb., and 12 quart bottles of West Indian *Oil of lemon* realised 4s. per lb. For *Nutmeg oil* (D & O brand) 4½d. per oz is asked, and 1s. 1d. per oz for Fisher's *Oil of patchouli*. *Cinnamon oil* as well as *Lemon-grass* and *Citronella*, remains neglected. English *Oil of cloves* offers at 2s. 7d. to 2s. 8d. per lb. From France we hear that *Oil of neroli* is likely to be much dearer, but that the price has not yet been fixed. *Star-anise oil* dull of sale at 6s. 3d. per lb. on the spot, while *Cassia oil* is tending rather weaker at 4s. 9d. per lb. for 75-per-cent. quality.

**OPIMUM.**—The London market keeps quiet with a fair business in *druggists' kind* for manufacturing at 8s. per lb., which shows a slight improvement. Good to fine *Smyrna opium* is held at from 8s. 3d. to 9s. 3d. per lb. In *soft shipping*, at which quotations run from 10s. 6d. to 11s. 6d. per lb., no business has been done lately; nor is there anything new to report as regards *Persian*, which is firmly held at from 11s. 3d. to 13s. per lb. according to quality. At auction three chests Turkey opium, said to contain 10 97 per cent. of morphia, were offered, a bid of 6s. 9d. per lb. was refused, the lots being held for 7s. 6d. and 7s. 9d. per lb. respectively. "We think it right to inform you," writes a Smyrna correspondent, under date of May 31, "that a Smyrna firm, who sold 50 to 60 cases some time ago to America and the Continent on delivery at a very low figure, have purchased this week (owing to our market not having fallen as low as they anticipated) a large quantity of spurious opium at a very low figure. This will, no doubt, be mixed up with better opium to reduce the cost, and shipped to America and the Continent. We should like to know whether manufacturers of opium who treat for low prices with shippers here are better satisfied to receive worked-up opium (or, as it is commonly called, "pudding opium"), with a render of 9 to 10 per cent. of morphia, at 6d. to 8d. below the cost of pure opium, or the natural drug, with 11 to 12 per cent. morphine, at the actual market value."

**ORANGE-PEEL.**—Very dull of sale, good thin *Maltese* strips being bought in at 9½d. to 10d.; quarters at 4d. per lb.

**ORRIS.**—Very firmly held, 80s. being asked for fine pale *Florentine*, of which a small lot was shown to-day at auction.

**OTTO OF ROSE.**—The prospects of the rose crop on June 1 were described as very satisfactory. The harvest had just begun, and there had been abundant rainfalls throughout the whole rose district. The fresh and cool weather which prevailed in Bulgaria left nothing to be desired, and the distillation was proceeding under most favourable conditions. Should the same weather continue, with one or two more rainfalls, during the whole harvest, the crop will probably be considerably larger than last year's, while the otto is likely to be of exceptionally good quality.

**PICHI.**—A parcel of from 30 to 40 lbs. of beautiful fresh Pichi herb, grown on the Riviera, is now being offered for sale in London. The price expected for it is about 2s. 6d. per lb., which is much above the cost of the dried *Chilian* drug. The Italian article, however, is of a correspondingly finer quality.

**POTASH (CHLORATE).**—Very firm. The spot quotation in Liverpool is 4½d. per lb., f.o.b., and for forward delivery 5d. per lb. f.o.b. is required. Prices look like advancing.

**POTASH (PRUSSATE).**—*Yellow prussiate* is rather firmer. There are no more sellers at 7½d.; 7¼d. per lb. being the general quotation, with a tendency towards 8d. per lb. as the asking-price.

**QUASSIA.**—Of 120 bags *West Indian* quassia-chips offered to-day, 40 sold at 11l. 15s. per ton. *Jamaican* logs were bought in at 5l. per ton.

**QUICKSILVER.**—Firmly held. The importers' price remains 7l. 10s.; second-hand holders have sold at 7l. 8s. 6d. per bottle.

**QUINCE-SEED.**—Dearer. Four bags *Cape* seed sold readily at from 1s. 1d. rising to 1s. 4d. per lb.

**QUININE.**—Dull. There are sellers at 12½d. per oz., but no business is reported this week. A lot of 500 oz. *Howard's* quinine in 1-oz. bottles was offered at auction to-day and elicited a bid of 1s. 3½d. per oz., which was refused, 1s. 4d. per oz. being the price.

**RHUBARB.**—At to-day's auctions there was a fairly large supply of 141 cases, of which, however, only 14 sold at 1s. 3d. per lb. for small *Canton* druggists' root, round, of fair pinky fracture; 1s. for medium to bold *Canton*, flat, partly rough coat, fair fracture; 10d. for ditto small; and 9½d. for medium to bold *Canton*, partly rough coat, bricky fracture, round.

**SARSAPARILLA.**—Firmly held; a bid of 1s. 2d. per lb. was refused for 32 serons *Honduras*, which are held at 1s. 3d.; the last-named price is said to have been paid privately. Ordinary native *Jamaica* sold at 9d. per lb.

**SENNA.**—*Tinevelly* senna, of which only a small supply of some 98 bags was offered, was firmly held, and a few lots which were sold realised extreme prices, 6½d. per lb. being paid for fine green medium to bold, 4½d. to 4¾d. for medium to bold greenish, and from 2d. to 1½d. for ordinary small partly specky leaves. Of *Alexandrian* senna 13 packages were shown. Good leaf is held at 1s. 2d., small ditto at 1s. (7½d. refused), sittings at 5d. (2½d. bid); and *Pods*, good pale, at 5d. For these latter a bid of 4½d. is to be submitted.

**SHELLAC.**—About 10s. lower on the week. Last Friday *Orange TN* was quoted for August delivery at 134s.; to-day 300 cases sold at 124s. per cwt., and there are further sellers.

**STAR-ANISE.**—A few lots of ordinary spurious *Japan* star-anise were bought in. Of 11 cases *Chinese* two very broken sold at 66s. per cwt.

**TAMARINDS.**—New *West Indian* tamarinds from Antigua sold readily to-day at 18s. 6d. to 20s. per cwt., ordinary dry at from 15s. to 17s.; good *Barbadoes* have been sold at 24s.

**TEA.**—The tea-market at the present time presents rather a perplexing spectacle to market prophets. *Ceylons* are coming forward heavily, and prices show a slowly but steadily declining tendency for all lower grades; whereas *Assams* are going just as steadily in the other direction, and getting firmer and firmer, with next to nothing coming forward in sale. It is impossible to foretell whether the weight of *Ceylons* will succeed in breaking the *Assam* market; but this much is certain—that retailers can buy far and away better value in *Ceylons* than in *Indians*, and will do well to make their purchases of *Indians* on as sparing a scale as possible.

**TONCA-BEANS.**—Quiet. Fair to good frosted *Pará* at 2s. to 2s. 6d. *Angosturas* are quoted nominally at 6s. 6d. to 7s. per lb.

**VANILLA.**—Good quality is in request at high prices; nearly the whole of what was offered to-day sold at 25s. for fine 8 to 9 inches; 20s. to 24s. for 7 to 8½ inches; 15s. 6d. to 19s. 6d. for 5 to 7 inches; and from 16s. downwards for ordinary pods of different lengths.

**WAX (BEES').** There was a considerable supply of new-season's *Jamaica* beeswax, of which 67 packages sold, at from 8l. for good red to 8l. 7s. 6d. for fine pale yellow: this shows a slightly easier market. *Madagascar* is also about 2s. 6d. lower, with sales at from 6l. 17s. 6d. to 7l. 2s. 6d. for brown to good yellow mixed. *Zanzibar* wax realised 7l. 2s. 6d. to 7l. 5s. for good yellow mixed. Eight bags *Mozambique* sold at 6l. 15s. to 6l. 17s. 6d. for fair quality; and 11 bags of *San Domingo* at 6l. 15s. to 7l. per cwt.

NEARLY 2,500,000 tons of phosphate minerals are unearthed in the world every year, and afterwards used as manure. Carolina and Florida are responsible for about one-half of the output.





### Memoranda for Correspondents.

*In letters for publication correspondents are requested to express their views as concisely as possible.*

*Correspondents should write on one side of the paper only, and devote a separate piece of paper to each subject of inquiry.*

*The name and address of the writer should accompany all communications with, if desired, a distinctive nom-de-plume.*

### The Weights and Measures Act—Restamping Weights.

SIR,—In February last the Inspector of Weights and Measures of this city requested me to send all my weights to his office to be examined, and also served me with a notice that they must be sent once every year for the same purpose. When they were returned he charged me for restamping all the weights and for readjusting those which required it.

In reading the Act it did not appear to sanction the charge for restamping, besides which, if the grain-weights were to be restamped once each year, it was evident they would soon become useless, thus increasing the working-expenses of business by the charge for restamping and loss of weights. Therefore, his attention was called to these points; but as he maintained it was correct, I laid the facts before the Board of Trade, and after some correspondence I was informed the inspector had been instructed to repay me the charge for restamping, and this has been done to-day—indicating, I presume, that it is not necessary to restamp weights, and all charges made for so doing can be recovered.

Yours respectfully,

Leeds, June 7.

EDWIN YEWDALE.

### A Warning.

SIR,—We desire to warn the trade in London, both wholesale and retail, against a person who obtains order-forms from the wholesale houses in the name of one of their customers, and then forges an order and tries to obtain a portion of the goods "to take with him." Last autumn we succeeded in getting him convicted. The writer met him the other day in one of the City houses at his old game.

Yours truly,

9 & 11 Clerkenwell Road,  
June 5.

MAY, ROBERTS & CO.

### Successful.

SIR,—I wish to inform the readers of your valuable journal that May Margaret Lewis has been successful in being elected to the Welsh School at Ashford at the recent election. I take this opportunity of thanking all chemists who have kindly supported this little girl—it being a most deserving case; and especially do I wish to thank our President, and the late Vice-President (Alderman W. Gowen Cross) and Mr. Bremridge for all their kindness and most valuable support and influence. Also Alderman W. Vaughan Morgan, Mr. O. V. Morgan, Mr. Grose, of Swansea, Mr. Munday, of Cardiff, and Mr. R. L. Whigham, of Brook Street, who have assisted in every possible manner. And on behalf of the mother, Mrs. Lewis, I must again express my sincere thanks to all who assisted.

Yours, &c.,

267 King's Road, S.W.,  
June 11.

ISAAC T. LLOYD.

### Income-tax.

SIR,—With the income-tax standing at a rate equal to  $3\frac{1}{2}$  per cent. on one's income, it is of importance not to neglect to obtain all the relief in one's power. May we, therefore, be permitted to remind your readers that if for the last three years' trading the average of their profits was less than the amount on which they paid tax for 1894-5, they should at once claim repayment of the sum overpaid,

otherwise they may lose their right to do so? If the profits of the last year exceeded the average (including the year), they cannot obtain any refund. By appealing now the assessment for the ensuing year will be settled also, as the assessment as amended for 1894-95 will in most cases stand good for 1895-93.

Yours faithfully,

THE INCOME-TAX ADJUSTMENT AGENCY.

12 & 13 Poultry, E.C., June 12.

### An Examination Reminiscence.

SIR,—“Give a dog a bad name and you may as well hang him” is true of other than four-footed animals, and I fancy this is one of the causes why students prefer Edinburgh to London. The examiners at the latter place have got a bad name—whether they deserve it or not I cannot say—but perhaps it may put heart into some fearful student to give a little of my own personal experience. Some twenty years ago I went through the mill at Bloomsbury Square. At that time the same stories of hard and heartless examiners were rife, and among the terrible band none was accounted a greater monster than the present President of the Pharmaceutical Society—Michael Carteighe. It was currently declared that he combined in his own person the vindictiveness of a Dodson with the calculating cruelty of a Fogg; the percentage of his plucks alone was variously computed at from 25 to 50 per cent. Under such circumstances I am afraid the daily prayer of the students was not “Deliver us from evil,” but “Deliver us from Carteighe,” at all events the odds were held to be all against the poor fellow who came before him.

The long-feared day at last came, and in dread and trepidation we climbed the steps of the Bloomsbury Square torture-chamber. I had to sit for some little time in the ante-room, waiting my turn for dissection. The names of the various examiners were called out, but the name dreaded of all others was not heard. It was sincerely hoped that illness, at the very least, prevented him attending. At last, however, it came in order to the letter M., and then, O horrors! came the order—“Maud, Mr. Carteighe will take you for chemistry.”

Well, Sir, it will be readily understood that for a raw country lad of about 22, who had only spent between two and three months' cramming with friend Muter, and whose previous experience had been almost entirely in general trades where paint and paraffin are made to blend with pharmacy and prescriptions, my feelings were better felt than described. I suddenly became in a complete state of flux, the nightmare of a deadly fright dissipated what little memory and self-control was left to me, and “chemical equations” and “natural orders” “folded their tents like the Arabs, and as silently vanished away.”

Mr. Carteighe asked me to sit down. I did so very literally in a state of helpless, hopeless collapse, and that terrible ghoul, the examiner, appeared to notice my condition, and, of course, acting up to his reputed character, he should have proceeded first to torture and then to devour the poor simple fly that had fallen his prey. But, Mr. Editor, nothing of the sort. He said, “You seem rather nervous this morning.” I acknowledged the soft impeachment, I am afraid, with eyes that sparkled, but not with intelligence. “Oh,” he continued, “now don't be afraid; take time and pull yourself together”; and for some minutes he asked kindly from whence I came, where I had been, &c., and then, “Now shall we go on?” And thus the “terrible one” became a helping friend, for his kindly consideration of my weakness helped me, not only at the chemistry table, but at others following, for, having weathered the Carteighe blast, I did not feel to care a rap for the rest of the storm, and, although I am quite sure I proved myself a fearful duffer, and did not expect to succeed, they let me through, which was all I cared for. Do not let any budding chemist and druggist, however, think that Mr. Carteighe knew me, or had any reason to be predisposed in my favour. I am not aware that I have seen him but twice in my life—the first time on the occasion referred to, and the second about fifteen years after at the Leeds Trade Conference, when I had the pleasure of telling him a bit of my mind, to the effect that he and many of those who sit with him at the Square and profess to legislate for the trade understand as little about general



country businesses as a deaf mute does about music; but to everyone his due, however black he may be painted, and after twenty years I tender him the thanks not previously spoken.

If I am not trespassing too far upon your space, one other incident on the same day. A certain fellow-student at Dr. Muter's was plucked. When asked how this came about, he replied, "The examiner (not Mr. Carteighe this time) said 'I was very young, and had better try again'; which was perfectly true. I was sitting upon the "funking" form, waiting another turn, and overheard the conversation, and I have no doubt my fellow-candidate believed he was speaking the truth, the whole truth, and nothing but the truth, and that he was a terribly ill-used man; but he little knew what a fool he had made of himself. He was reading a prescription, and translated it, "so many tablespoonfuls at such-and-such times to be taken in half a glass of boiling water." Three times the examiner asked him in a variety of forms, "Is that the direction you would put upon the bottle?" and in each case the reply came, "Yes." The examiner said, "How old are you?" The age was stated. Then came the reply, "Well, you are only young; you must not be discouraged; you are not like some of the older men. I am afraid I cannot pass you, but you must work up and try again. You have plenty of time yet." I hope that my friend did get through the next time, but on the day named he was certainly in "hot water," but of his own "boiling." I did not tell either him or his friends, for where "ignorance was bliss" it would have been folly and cruelty to make him wise.

Moral: Keep out of hot water, and keep your pecker up.

Yours, &c,

Pontefract, June 8.

W. G. MAUD.

#### A Lancashire Lad on London.

SIR,—I have lately been in your overgrown village, and one day, in strolling on from St. Paul's, I found myself in a street of which I did not know the name, until I happened upon a lintel bearing the legend, "CHEMIST AND DRUGGIST, 42," when I thought, "Oho, then I'm in Cannon Street; so this is the den of the mighty one, is it?" I was almost tempted to run upstairs and beard you, but I thought again, "No; hang it, I came here to forget shop, and I don't want to talk shop to anybody." So I wandered on to the Tower, which, I believe, few Londoners have ever visited.

By the way, Mr. Editor, to use an Irishism, what awful provincialisms you cockneys have, even educated ones using such expressions as "Chayng Cross," "Strend," "Benk," "now" for "no," "rowd" for "road," "cawstle" for "castle," and so on *ad nauseam*.

But I write for a little information about the London water, which I found abominably hard; in washing with it a scum is formed that one could almost walk on.

Where does it come from, and what is the cause of its hardness? How do the numerous laundries manage with it? Do the London chemists use it in dispensing? If so, one need not wonder at the different results obtained in town and country; or do they always use aq. dest.? If it comes from the Thames it is surely not drawn from anywhere below Windsor. The London bread is not so bad, but how dreadfully hard the crust is!—a good thing for the dentists. I was glad to get back to our home-made bread, and our soft cakes and "bakestone" muffins, of which I did not see any in London, but which I am sure would be appreciated if taken up by an enterprising baker. One hears a good deal of the cooped-up millions of London pining for fresh air, &c.; but, my dear Sir, you have better country on the Embankment and in your parks than we have within three or four miles of this big workshop of a town.

Yours faithfully,

Oldham.

JASON. (68/30.)

#### Cutting and Co-operation.

SIR,—Co-operation is, perhaps, the most powerful means to combat "cutting"—the dreadful scourge of the trade. But I think it would have to be on a more comprehensive scale than that suggested in the trade journals of this week by Messrs. Elliman & Co. "Three or more manufacturers, whose sales are large," will most certainly be very insufficient. No co-operation can be successful unless the trade

as a whole, retail and wholesale, join in one body and agree together. It is quite natural for "those whose sales are large" to make terms agreeable to themselves, but which might be objectionable to the retailer. The man who sells retail must have a voice in the matter with the house that sells wholesale. If the kind of protection which is now adopted by Messrs. Elliman & Co. and a few others is to be extended, by its adoption by others whose sales are large, I should very much object to it as lessening my retail profit. I also think that fixing a "minimum price" is not a good way at all for the reason that it has the tendency everywhere to fix the article at that price, and make it more difficult to get the full price—say, 1s. 1½d. The next point in Messrs. Elliman's suggestions, I fear, will not work—viz., "the indirect buyer who cuts would be dealt with in a manner, to be agreed upon, which need not be made public." No secret can work for good; and whatever the secret in business it would soon become known to everyone, and be no longer a secret.

Co-operation is the idea which should not be lost sight of, and if Messrs. Elliman & Co., with some other large houses, would join issue and start a scheme by which the whole trade could join in one trade-union, a power would be formed which would soon cut out the cutter. Messrs. Elliman & Co. say there are indications that the time has arrived for co-operation. Many thanks to Messrs. Elliman for their foresight and action, and for their good intentions in what they have already done; but all will be lost unless a united body is got together first.

Yours truly,

63 Fleet Street, E.C.,

June 10.

GEO. P. POND.

[We can hardly think Mr. Pond has understood Messrs. Elliman's letter. They merely ask that some three or four other makers of proprietary articles will join with them in the attempt to cut out the extreme cutter. They would, no doubt, be glad if thirty would work with them; but they have the sense not to expect universal co-operation at first.—*Ed. C. & D.*]

SIR,—I feel sure that all chemists will feel pleased at the action Mellins propose doing *re* extreme cutting, but trust they will be more successful than Messrs. Elliman have been; for in Hampshire a well-known Drug Company sell their 1s. 1½d. size at 11d., 2s. size 1s. 7½d., instead of 1s., 1s. 9d., &c., that chemists are bound down to sell at. I know this is not Messrs. Elliman's fault; but there is something wrong somewhere.

I am, yours faithfully,

A HAMPSHIRE CHEMIST. (69/3.)

#### The Wholesale Supply of Poisons.

SIR,—I enclose correspondence on dog-poisoning. I would observe that it was commenced by Mr. Abbey, who had three dogs poisoned one evening while they were out for a walk with him. Two of them died at once, and the third in great agony in about an hour afterwards. My principal object in calling your attention to it is to show the tremendous leakage of scheduled poisons through certain wholesale houses, who will serve anybody with any large quantity of poison without any formality whatever. I would also point out a serious defect in the Sale of Poisons Act, 1868, which does not provide for any punishment of persons obtaining poisons under false pretences, as in the Arsenic Act. In this case the man represented himself as a veterinary surgeon, and therefore a registered person who might have a *bonâ fide* use for so large a quantity.

Coming to the retailing of poisons I know opinions and practice vary, but my own conviction is that it is not right to supply servants (especially females) with poison to kill vermin without a written order from their employers, and the servant should sign for it, while the retailer should enter name of employer and note referring to written order.

June 10.

PHARMACIST. (68/58.)

[The correspondence sent with this letter is from the *Standard* of June 7 and 8, and discusses principally the question whether it was keepers or poachers who laid the poison.]



## LEGAL QUERIES.

Immediate information on pharmaco-legal matters is available in "Pharmacy and Poison Laws of the United Kingdom," Alpe's "Handy-book of Medicine-stamp Duty," and THE CHEMISTS' AND DRUGGISTS' DIARY.

68/1. *Cyanide* accepted an engagement by correspondence as manager of a shop at a salary of 10*l.* per month, in the last instance telegraphing his acceptance of the terms. The owner of the shop, acknowledging the wire, intimated that "Cyanide" would be required to enter into an agreement not to set up in business within a radius of three miles from the shop. At the end of the first month our correspondent removed his furniture to his new abode, and not till the end of the second month was the agreement submitted to him, when, as he found it differed from the terms mentioned in the correspondence, he declined to sign it, and received a month's notice to leave. Can he claim salary for any time he might be out of employment and for the expense of removing furniture? [The House of Lords, in the case of *Hussey v. Horne-Payne*, 4 App. Cases, 311, decided that where an agreement was embodied in correspondence the whole of the correspondence must be looked at to gather what the agreement was. Looking at the correspondence in this case, it is quite clear that there was no concluded agreement until our correspondent practically entered upon his engagement, and by so doing he accepted the employer's terms, which required that an agreement should be signed not to compete within a certain radius. The draft agreement does not exactly embody what was agreed upon in the correspondence. If this were pointed out to the employer no doubt the agreement would be made conformable to the letters. Under the circumstances our correspondent agreed to accept a month's notice, and, having got it, he is not entitled to any further compensation, so that he cannot recover the cost of removal of his furniture or any time that he was out of employment.]

68/43. *Delta*.—Your title "pink pills for delicate people" would not be a trade-mark infringement, because such words, being descriptive, could not be registered. But no Court would hesitate for a moment in believing that the title had been adopted in order to acquire some of the benefit of the extensive advertising of the proprietors of Dr. Williams's pink pills for pale people. Is not that of itself a colourable imitation, even though the appearance of the package should be totally different? At any rate, if the case should come on we should heartily sympathise with the Judge who should so administer the law.

## MISCELLANEOUS INQUIRIES.

Back numbers containing formulae, educational or other specific information can be obtained from the Publisher.

N.B.—We destroy anonymous letters. We do not answer queries of the kind here dealt with by post. We ask that separate queries shall be written on separate sheets of paper.

51/67. *Albert*.—We regret that we cannot advise you upon the value of the clay.

49/52. *Quercus*.—Preservative for Extract of Herbs.—You may use salicylic acid in the proportion of 20 gr. to the pint.

64/26. *W. W.*—Rock Ammonia or carbonate of ammonia. We read the article.

49/44. *W. K. & Co.*—Leeming's essence you mean. See "Veterinary Counter Practice."

50/13. *Mizpak*.—Bergamot hides the odour of sulphur best.

49/28. *Nursery*.—For Nursery Ointment both ung. hydrarg. ox. rub. and ung. staphisagriae are used. A better formula than the official one for the latter is—

|                |    |    |    |    |    |      |
|----------------|----|----|----|----|----|------|
| Ol. staphisag. | .. | .. | .. | .. | .. | 3j.  |
| Cera flav.     | .. | .. | .. | .. | .. | 5j.  |
| Vaselini       | .. | .. | .. | .. | .. | 3vj. |
| Ol. bergam.    | .. | .. | .. | .. | .. | 3ss. |
| " ros. geran.  | .. | .. | .. | .. | .. | ℥x.  |

M.

51/49. *Orientalist*.—Fresh walnuts give a brown tint to oil. The chopped fruit is digested in the oil at a gentle heat. Black Oil is made by acting upon a vegetable oil with sulphuric acid (1 part to 10 of oil), afterwards washing.

51/55. *F. D.* (Budapest).—Brown leather Dressing.—See the note on this subject in THE CHEMISTS' AND DRUGGISTS' DIARY, 1894, page 370, and recent replies to correspondents. The colour of the dressing may be varied by the use of any suitable aniline colour soluble in acidulated water.

253/29. *W. G. B.*—(1) Pill-coatings.—You will find full information about these in "The Art of Dispensing" (2) Petroleum Hair-wash—Benzolene or water-white burning-oil perfumed with lemongrass.

49/65. *Alvin*.—Sulphurous acid is used for removing the bad smell from beer-barrels. After washing them out with hot water containing a little washing-soda, pour in some solution of sodium bisulphite (2 oz. to 5 gallons of warm water), then add 1 oz. of vitriol and rinse well. The washing may be used for another cask. The casks should afterwards be well washed with water.

52/25. *Iodide*.—The small section of stem (imported from Greece) with yellowish-green heart-wood cannot be accurately identified. Its structure as shown under the microscope would indicate that it probably belongs to the natural order *Leguminosae*.

68/24. *Middle-aged Minor*.—You will find the same case dealt with editorially in our issue of February 23, 1895, page 285.

275/95. *W. C.*—Nutrient Suppositories.—It is nonsense to say that the suppositories made with cocoa-butter are useless. We have a sample now from a good house so made.

66/18. *Students*.—Replying to both your postcards, we refer you to Squire's "Methods and Formulae" (Churchill, 3s. 6*d.*) regarding stains, &c. Harris and Power's "Hand-book for the Physiological Laboratory" is one of many manuals used by medical students; but the "Micrographic Dictionary" is, on the whole, the best book for you. You can get a good microtome for 25s.

66/13. *K. & P.*—Toilet Vinegar.—See *C. & D.*, February 10, 1894, page 233.

65/68. *R.*—Glycerine Jelly.—See *C. & D. DIARY*, 1894, page 365. Do you suppose that the jelly is made with starch?

65/26. *Nemo*.—Sorry we cannot oblige you.

40/26. *R. C. H.*—Paper-making.—See the part of Spon's "Encyclopædia" on this subject, price 2s. The same firm publish many other works on paper-making.



65/16. *Nux Vomica*.—Cheap Baking-powder:—

|                           |               |
|---------------------------|---------------|
| Burnt alum .. ..          | 3viij.        |
| Bicarbonate of soda .. .. | 3viij. 3liij. |
| Rice flour .. ..          | 3xvj.         |

Mix.

Instead of alum you may use acid sulphate of potash.

40/70. *Saccharomyces*.—We do not know what the process for bleaching yeast is, nor can we ascertain. It is a trade secret.

60/13. *Swindon*.—We have several times explained that the recipe which you send is a bogus thing, not intended to be dispensed. When the customer finds he cannot get the stuff he writes to the prescriber, who supplies a packet of drugs (gentian predominating in it) at, of course, a price that gives him a good living.

59/56. *Nemo*.—(1) Sheep-dips.—See the article in our issue of April 13, page 523 (2) There is no authority for selling absolute alcohol without a licence. You may sell 8 oz. of rectified spirit for scientific purposes, and probably the fiscal authorities regard absolute alcohol as rectified spirit, which it really is; but you had better ask them.

59/62. *Fog*.—Sometimes benzene (a coal-tar product) is called benzolene, but the Benzolene for the Hair is a petroleum spirit, sp. gr. about .720.

59/72. *Nemo* (Neath).—Lime juice and Glycerine.—See *C. & D.*, January 13, 1894, page 61.

67/68. *C. H.* (Brussels).—See page 418 of our DIARY for metric weights and measures and English-system equivalents. A drachm (3) you may consider to be equal to 4 grammes. There are 8 drachms in 1 oz (3). A minim is a measured drop, or  $\frac{1}{60}$  part of a drachm.

61/38. *F. D.*—See our 1894 DIARY for the Hair-dyes Liquid Bronze is a mixture of bronze-powder with a spirit varnish.

67/31. *C. J. F.*—(1) Paraffin oil is the best thing for getting Ants out of a scullery. They hate turpentine also. (2) Petroleum Emulsion.—See *C. & D.*, December 22, 1894, page 898.

67/16. *Scot*.—There is no ready test of the kind you wish.

67/19. *Borax*.—See the note in our issue of June 8.

67/14. *W. T. C.*—It would be occupying our space needlessly to give you a formula for a rubber-basis plaster. It cannot be made without expensive machinery. For a Corn-plaster of the kind you refer to, dissolve salicylic acid 3j and extract of Indian hemp 3ss. in 1 oz. of rectified spirit. Add 10 drops of glycerine. Paint this solution upon ordinary adhesive plaster, or upon a rubber adhesive plaster. This is the simplest plan.

66/43. *June*.—We do not know what Bates's salve contains.

67/58. *Petunia*.—Horsford's acid phosphate is what Sir Andrew Clark meant. You can get it through the usual channels.

68/33. *Plumbum*.—We cannot recommend an aperient for the purpose.

67/59. *W. S.*—Arsenical Weed-killer.—See *C. & D.*, September 22, 1894, page 470. We cannot do better for you than this.

66/64. *W. W.*—Breeches-powder:—

|                               |       |
|-------------------------------|-------|
| Bath brick, in powder .. ..   | 1 lb. |
| China clay .. ..              | 1 "   |
| Pumice stone powder .. ..     | 4 oz. |
| Dried carbonate of soda .. .. | 4 "   |

Mix, and colour as required.

66/44. *Nobiles*.—Hair curler.—A mucilage of tragacanth suitably perfumed, or—

|                          |          |
|--------------------------|----------|
| Liq. calcii sacch. .. .. | 3i.      |
| Spt. rectificat. .. ..   | 3i.      |
| Otto rose .. ..          | gtt. vj. |
| Ol. neroli .. ..         | gtt. iv. |
| " bergamottæ .. ..       | gtt. x.  |
| Aq. ad .. ..             | 3viij.   |

Dissolve the oils in the spirit, and add to a mixture of the lime solution and water; shake up with a little French chalk, and filter.

59/22. *Bolivia*.—Coca-wine, to sell without licence.—An ounce of ext. cocæ liq. sol. to 19 oz. of red wine. The Inland Revenue Board insist upon  $\frac{1}{2}$  gr. of cocaine to the ounce, but anything distinctly medicinal in taste they allow to pass. If you were to call it —'s, it would require a stamp.

## INFORMATION SUPPLIED.

49/52 K 3557 Bottles.—Obtainable from Kilner Bros. King's Cross, London, N.

## INFORMATION WANTED.

The Editor invites, on behalf of inquiring subscribers, postcard replies to the following:—

68/36. Peacock's bromides: where obtainable?

## Next Week.

Wednesday, June 19.

Western Chemists' Association, Westbourne Restaurant. At 9 P.M. Adjourned discussion on "The Present Paase of the Poisons Law."

Thursday, June 20.

Chemical Society, Burlington House. At 8 P.M. Extraordinary general meeting, to consider change in By-law I. proposed by the Council. The business of the ordinary meeting will be taken as soon as that of the general meeting has been completed. There will be a ballot for the election of Fellows, and the following papers will be read:—"On Lintner's Isomaltose," by Horace T. Brown, F.R.S., and G. H. Morris, Ph.D.; "Transformation of Ammonium Cyanate into Urea," by Professor Walker, D.Sc., and J. F. Hamley; "Some Derivatives of Humulene," by A. C. Chapman; "Note on Thio-derivatives of Sulphanilic Acid," by Miss Walter; "The Chlorination of Orthochlorotoluene," by W. P. Wynne, D.Sc., and A. Greaves; "The Six Dichlorotoluenes," by W. P. Wynne, D.Sc., and A. Greaves; "The Disulphonic Acids of Toluene and of Ortho- and Parachlorotoluene," by W. P. Wynne, D.Sc., and J. Bruce; "Ethereal Salts of Ethanetetetracarboxylic Acid," by Professor Walker, D.Sc., and J. R. Appleyard; "A Method for Preparing Formyl-derivatives of Aromatic Amines," by H. R. Hirst and J. B. Cohen, Ph.D.; "A Modification of Zincke's Reaction," by H. P. Hirst and J. B. Cohen, Ph.D.; "A New Method of Preparing Cyanuric Acid," by W. H. Archdeacon, B.Sc., and J. B. Cohen, Ph.D.



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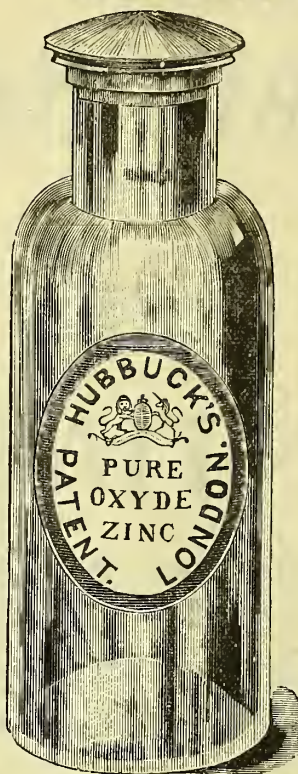
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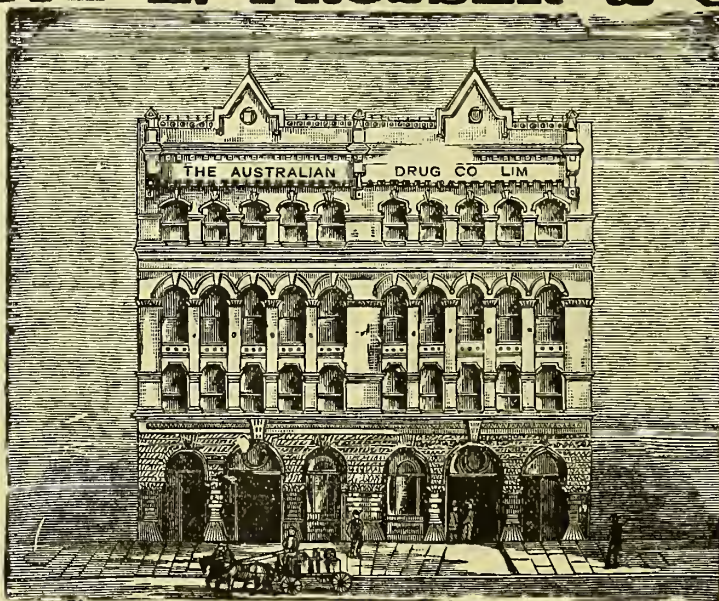
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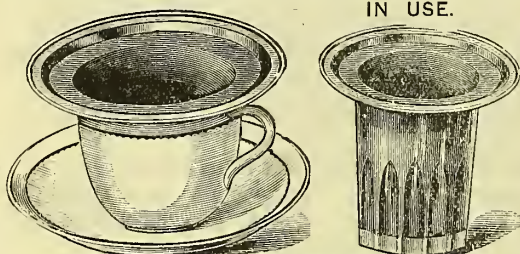
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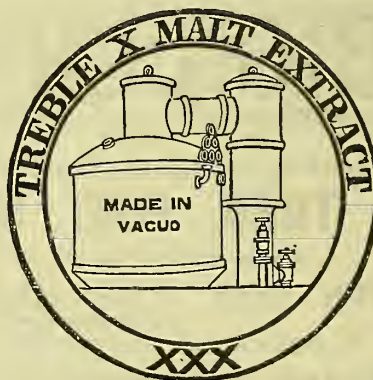
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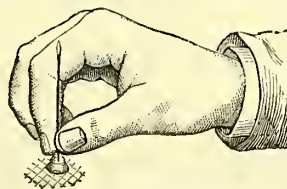
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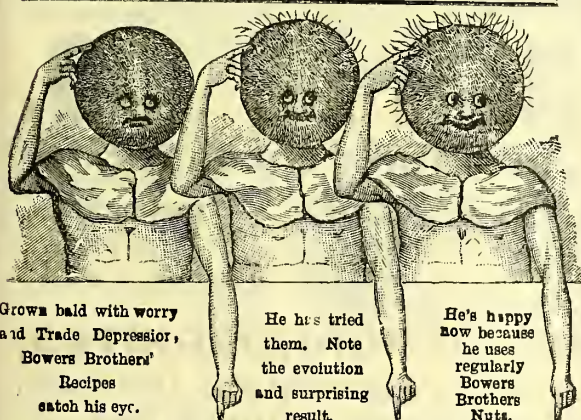
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**FEEDING 1/- BOTTLE**

**IS STILL THE BEST.**

*We are now fitting this Feeding Bottle with the*

**PATENT SELF-CLEANSING TEAT.**

Each Bottle is packed in a Handsome Box with Tube and Bottle-brush,  
Spare Glass Tube, and an extra Self-cleansing Teat.

**PRICE 6/- DOZEN.**

*Chemists will find it pays them to Stock these Feeders.*

**ENGLISH GLASS. ENGLISH RUBBER. ENGLISH LABOUR.**

**TIDMAN & SON, LIMITED, BUSHELL STREET, LONDON, E.**

Telegraphic Address—"BLUEBERRY LONDON."

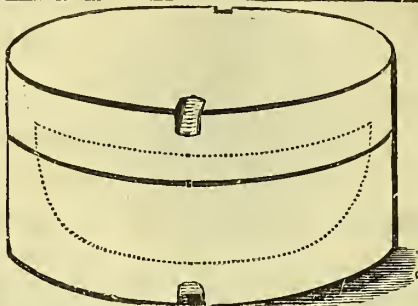
Telephone No. 11,392.



# WILLIAM TOOGOOD.

## TOOGOOD'S IMPROVED PATENT EARTHENWARE COVERED POTS

Are claimed to be the most  
perfect and convenient yet offered to  
the Trade.



Owing to the increasing demand  
for our Patent Pots, we have in-  
troduced a Special THIN Series  
for Dispensing.

These Pots are beautifully  
glazed and finished, and, being  
very light, are specially adapted  
for sending by post.

### ORDINARY THICKNESS—

|       |       |     |     |      |       |     |      |     |     |              |
|-------|-------|-----|-----|------|-------|-----|------|-----|-----|--------------|
| 1 dr. | 2 dr. | 1/2 | 1/8 | 1/10 | 1 1/2 | 2   | 3    | 4   | 8   | 8 ounces.    |
| 1/6   | 1/6   | 1/6 | 1/8 | 1/10 | 2/-   | 2/3 | 2/10 | 3/6 | 4/6 | 5/6 per doz. |

### THIN FOR DISPENSING—

|     |     |     |     |     |     |     |     |     |              |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|
| 1/7 | 1/9 | 1/2 | 2/2 | 2/5 | 3/- | 4/- | 5/- | 6/- | 8 ounces.    |
|     |     |     |     |     |     |     |     |     | 6/- per doz. |

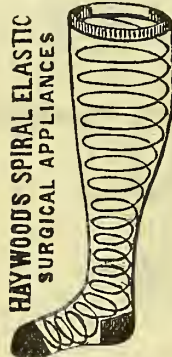
TOOGOOD'S DISPENSING BOTTLES  
TOOGOOD'S PERFUMERY BOTTLES  
TOOGOOD'S MEASURES  
TOOGOOD'S DRUGGISTS' SUNDRIES

NEW ILLUSTRATED  
PRICE LIST FOR 1895  
FORWARDED POST FREE  
ON APPLICATION.

BURLINGTON BUILDINGS, HEDDON ST., REGENT STREET, LONDON, W.



Adjustable Stocking  
(Patent.)



(Seamless.) Patent.

There are no *seams* or *binding* to irritate the limb. They are made in *healthy workshops*, and each article is thoroughly *disinfected* (by which all morbid agents are killed) and packed in Air-proof Wrappers before being sent out.

Manufactured in SILK, WOOL, THREAD, and COTTON—Fine, Medium, and Stout Qualities.

REGULARITY IN SIZE GUARANTEED.

Handbook of my Manufactures will be forwarded to any Surgical Instrument Maker or Chemist free.

A GOOD PROFIT MAY BE MADE BY SELLING

## HAYWOOD'S PATENT SPIRAL SEAMLESS SURGICAL ELASTIC ASEPTIC STOCKINGS,

&c. SOLID or ADJUSTABLE.

They are made on an entirely different principle to those *hitherto sold*. The India-rubber Thread, woven in one continuous length, adapts itself to the shape of the limb, and gives equal pressure throughout.

## SCIENTIFIC UNDERCLOTHING.

### The New DUAL Chest and Back Protector, Belt, &c.

Before ordering Winter Goods, write for Lists and descriptions of this New Article.

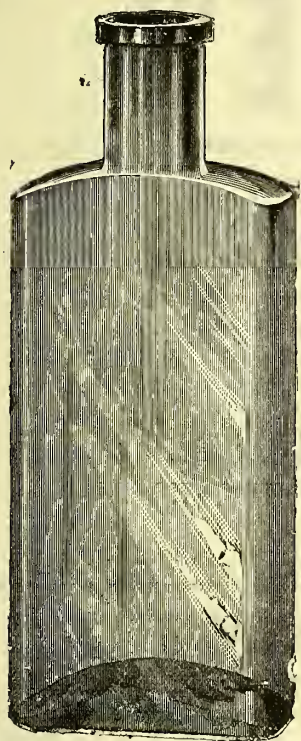
Hot Water Bottles and Covers, Respirators, Inhalers, Bronchitis Kettles, Throat Sprays, Waterproof Coats, Cloaks and Driving Aprons, Footballs, Shin Guards, and Athletic Appliances, Druggists' Sundries, Invalid and Nursery Appliances, &c.

MANUFACTURER AND PATENTEE—

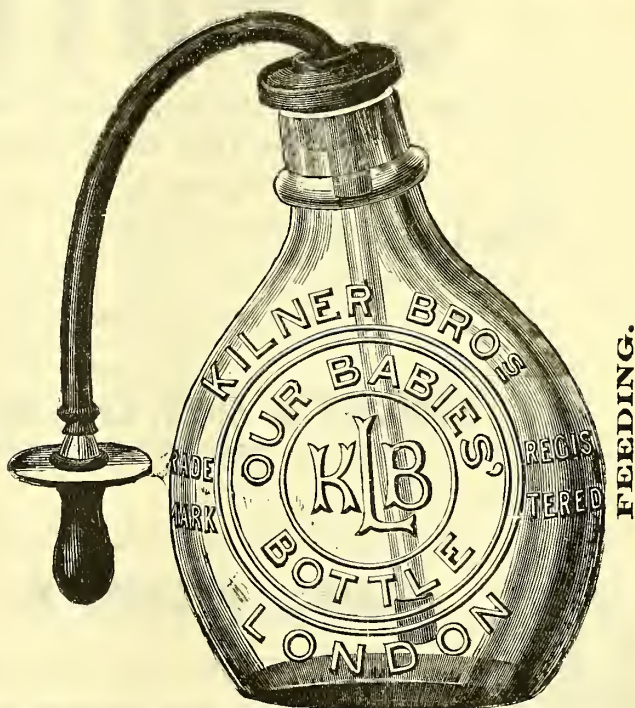
J. H. HAYWOOD, *Surgical, Electrical, Athletic, and Veterinary Appliance Manufacturer,* CASTLE GATE, NOTTINGHAM



# GLASS BOTTLES



DISPENSING.



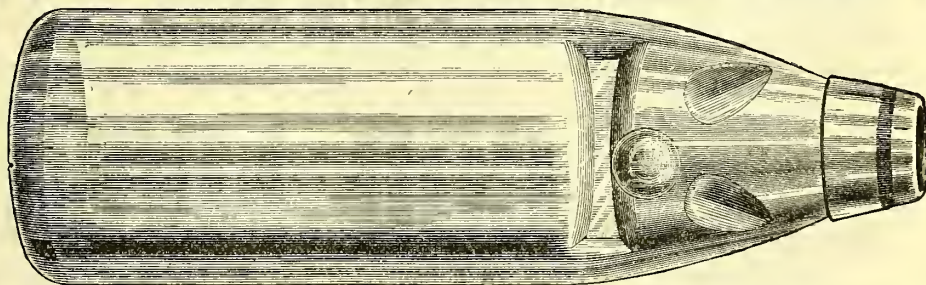
FEEDING.

## MINERAL WATER BOTTLES

Of all kinds and sizes for STOPPERS and CORKS.

CODDS' BOTTLE

TWO-WAY.



Also VAN BOXES and CASES for same.

Full particulars of above and many other kinds, sent on application to

## KILNER BROTHERS,

No. 3 GREAT NORTHERN GOODS STATION, KING'S CROSS, LONDON.



"An Embrocation that acts like Magic."

# WALKER'S "SEMOTINE"

*For Rheumatism, Sciatica, Lumbago,  
Pains in the Back and Joints,  
Stiffness, &c., &c.*

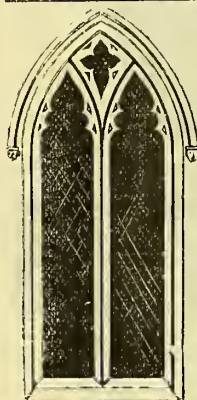
**BEING EXTENSIVELY ADVERTISED.**

Of all Chemists, Drug Stores, &c., everywhere, 1/1½, 2/9, 4/6;

Wholesale Prices: 8/6, 20/6, 34/-

SOLE AGENTS—

**F. NEWBERY & SONS, King Edward St., LONDON.**



157.810

## DR. BOW'S LINIMENT.

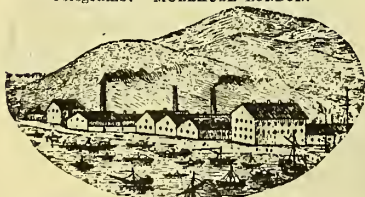
Of late a spurious article has been offered for sale, put up in imitation of the genuine one even to copying the Pamphlet, Wrapper, and Labels. To protect the public from, and facilitate proceedings against, such frauds, the Proprietor has registered the Trade Mark here shown, a reduced copy of which will be found on the outside label on every bottle put up after this date. As a further security, the name "**DR. BOW'S LINIMENT**" (also a trade mark) appears in the Government Stamp.

**BARCLAY & SONS, LIMITED, LONDON**  
**RAIMES, CLARK & CO., EDINBURGH & YORK**

For the Proprietor.  
December 1st, 1891

Telegrams: "MORRHUOL LONDON."

THE "NORTH STAR" BRAND.



Manufactory: "LOFODEN, NORWAY."

# COD LIVER OIL.

LOFODEN COD LIVER OIL CO., 138 Minories, LONDON, E.C.

# MAGNESIA

CARBONATE, CALCINED, AND HYDRATE.

**THE WASHINGTON CHEMICAL CO., LIM., WASHINGTON, COUNTY DURHAM, ENGLAND.**

LONDON AGENTS—MESSRS. CLIFFORD CHRISTOPHERSON & CO 17, Great Tower Street, London, E.C.



# Shirleys' Corner!

**MENTHOL CONES.** 1d. at 6/8, 6/11, 7/2 per gross. Insist on  
2d. Pedestal 14/- " Menthol being  
2d. Pocket 14/- " on New  
3d. Pedestal 1/10 dozen. Registered  
6d. Flat .. 3/3 " 6d. Celluloid 3/6 and 4/- doz. Head Card.  
1/- " .. 6/3 " 1/- " 7/- dozen.

**SOOTHERS.** 1d. Cord .. 7/- gross. 3d. Bone Ring 1/6, 1/8, and 1/10 Per doz.  
1d. Ring .. 8/6 " 3d. Celluloid Ball .. 2/-  
2d. " .. 14/- " No. 21 Coloured Mount Bone  
Double your 2d. Wonder 10/- Ring .. 2/8  
Sale and Order 2d. Rubber 2/- doz. No. 21a Coloured Mount  
on our 3d. Rubber 2/- doz. Rubber Ring .. 2/9  
Splendid Head 3d. Cord .. 16/- gross. No. 24 MOTTLED .. 2/10  
Card—Baby with mouth open No. 20 6d. Solid Corrugated 3/6  
and soother in it!

**FULLER'S EARTH.**—Special Value in Coloured Card  
Barrels. 14/- gross and 2/- dozen.

**VIOLET POWDER.**—In beautifully decorated Tin. 3/6 doz.

**A1 Eucalyptus Shells,** 6/6 gross **A1 Pocket Eucalyptus Disin-**  
Ditto (Reg.), with mirror, 7/- fectant, in perforated pocket tins.  
7/- gross.

**CACHOUS.**—Beautiful Pocket Tin, filled .. 7/- per gross.

No. 356.—New Feather Monster Salt Bottles, Assorted Colours.  
Empty, 2/9 dozen. Filled, 3/6 dozen.

No. 357.—Wide-Mouth, Flat-Headed, Clear Smelling Jar.  
Suitable for Ammonia Balls and Coloured Liquid, 4/- dozen.

**SPECIMEN STAND.** Tube Shape, Conical Glass Stopper  
7/- dozen. Never such Value Known!

Large Buyers.—Write to SHIRLEYS' before ordering  
a quantity of anything. You will save money by  
doing so.

**SHIRLEY BROS.,** 105-7 WHITECROSS ST., E.C.

## GOOD LINES FOR CHEMISTS' SPRING TRADE.

### SPONGE BAGS. NEW. CHECK SATTEEN.

No. 1 2 3 4 5 6 7  
5/9 7/- 8/6 10/- 12/- 14/- 16/-  
per doz.  
Order above as Check pattern  
to prevent error.

### SPRAY PRODUCERS.

DOUBLE BELLOWS.  
14/- 15/- 20/- 27/- 30/- 33/-  
per doz.

### PUMP ACTION.

30/-, 36/-, and 39/- per doz.

### FANCY PERFUME BOTTLES.



FLASK SHAPE.

As Fig. A.

SWAN NECK.

4/-, 4/6, and 5/6  
per doz.

A Large Assortment  
kept in Stock.

For Illustrations see  
New List.

### PHOTOGRAPHIC SUNDRIES

Supplied at Low Rates.

### SPONGES ON CARDS

at Half the marked Retail Prices.

### FLESH CLOVES.

Per doz. pairs.  
3d. Turco, White .. 1/10  
6d. " " .. 2/8  
6d. " Bound .. 3/-  
1s. " " .. 4/-  
1s. " Super .. 5/-  
1s. Calefacio, Brown .. 4/6  
&c., &c., &c.

### PERFUMES.

6d. Globular .. 3/9  
1s. " " .. 7/-  
Above are quite new, and are  
selling well.

### SMELLING - SALT BOTTLES.

New Emerald Green, very pretty ;  
Assorted Patterns.  
1s. Retail .. per doz. 8/-  
Also Coral, Amethyst, and Crystal  
Glass.  
Over 200 patterns to select from.

### ENEMAS.

Cheap Black .. 19/6  
"Flexible" .. 21/-  
"Favorite" .. 22/-

**FRANCIS NEWBERRY & SONS,**  
DRUGGISTS' SUNDRIESMEN,  
1 & 3 KING EDWARD STREET, LONDON, E.C.

## R. H. BARRETT'S PATENT CAPPED BOTTLE

THE ONLY REALLY PERFECT BOTTLE FOR VASELINE, POMADES,  
DRY POWDERS, ETC.

### NOTICE REDUCTION IN PRICES.

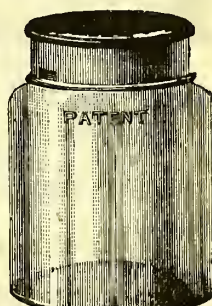
PRICES (in 5-gross Lots):—Fitted with STRONG METAL CAPS, CORK-LINED,  
in various colours, very attractive in appearance—1 oz., 10/6; 1½ oz., 11/-;  
2 oz., 11/6; 3 oz., 13/6; 4 oz., 15/6 per gross. TALL SERIES.

CHEMISTS' AND PERFUMERS' BOTTLES IN GREAT VARIETY, PLAIN OR STOPPERED.

**R. H. BARRETT,**

FLINT GLASS BOTTLE WORKS,  
THE OVAL, CAMBRIDGE HEATH, LONDON, E.

Telegraphic Address—"FOREFRONT LONDON."



### LEECHES!

Warranted Healthy.

Wholesale and for Exportation.  
Direct from Marshes.

**FITCH & NOTTINGHAM,**

LEECH BREEDERS,

4 CANONBURY SQUARE, LONDON, W.

TRADE MARK  
REGISTERED.

All Orders by Post receive immediate attention.

## DISPENSING BOTTLES.

### THE NORTH LONDON GLASS BOTTLE COMPANY

(I. ISAACS & CO., Proprietors)

Beg to Inform the Trade that they have made a further reduction  
in the price of their Bottles, as follows:—

The NEW SHAPE FLAT BOTTLES, with rounded edges, plain  
or graduated—

|                                                     |                                |
|-----------------------------------------------------|--------------------------------|
| 3 & 4 oz. .. 7/6 per gross.                         | 10 & 12 oz. .. 12/- per gross. |
| 6 " 8 " .. 8/6 " "                                  | 16 " " .. 16/- " "             |
| WHITE MOULDED PHIALS, plain or graduated Teaspoons— |                                |
| ½ oz. .. 3/6 per gross.                             | 1½ oz. .. 4/6 per gross.       |
| 1 " .. 3/9 " "                                      | 2 " .. 5/- " "                 |

### PLEASE NOTE.

51x gross and upwards, assorted or otherwise, are carriage paid  
to any address in England; smaller quantities not carriage paid.

**I. ISAACS & CO.,** Glass Bottle Manufacturers,  
106 MIDLAND ROAD, ST. PANCRAS, LONDON.

Established 50 years.

Bankers—London and Westminster Bank.



# ESTABLISHED 1833. HORSES.—LIEUT. JAMES'S BLISTER.



## CAUTION.

The annexed Label is at the top of every Pot of the ORIGINAL and only GENUINE BLISTER

The Messrs. Barclay & Sons, 35 Farringdon Street, London, and Messrs. Raines & Co., Edinburgh, are now and have been Agents 57 years.

AGENTS:—Sutton & Co., 10 Bow Churchyard; W. Edwards & Son, 157 Queen Victoria Street; Newbery & Son, 37 Newgate Street; Evans, Leecher & Evans, Bartholomew Close; Burgoyne, Burdidges & Co., 16 Coleman Street; Lynch & Co., 171A Aldersgate Street; Southall Brothers and Barclay, Birmingham; R. Hovenden & Sons, 93 & 95 City Road, Finsbury; Sanger & Son, 150 Oxford Street; Millard & Sons, 40 Charterhouse Square; Corry & Soper, Shad Thames; A. A. Campbell, Leadenhall Street, London; Woolley, Sons & Co., 59 Market Street, Manchester; Apothecaries Company, Virginia St., Glasgow; John Thompson, 58 Hanover Street, Liverpool; Boileau & Co., Bride Street, Dublin; McMaster & Co., 121 & 122 Capel Street, Dublin; T. McMullen & Co. and J. Clarke & Co. (Lim.), Belfast; D. Galbraith, Londonderry; M. C. Delaore Pharmacie Anglaise, Bruxelles.

And by all Chemists, in Pots, 1/6, 2/9, 5/-, 9/-, and 18/-.

COLONIAL AGENTS:—MELBOURNE and WELLINGTON: Felton, Grimwade & Co.; SYDNEY, BRISBANE, and LAUNCESTON: Elliott Bros. & Co.; DUNEDIN and AUCKLAND: Kempthorne, Prosser & Co.; CALCUTTA: Smith, Stanistreet & Co.

W. H. JAMES SOLE MANUFACTURER, FARINGDON, BERKS.

Advertised in "Bell's Life" 54 years. Beware of Spurious Imitations.

# TO THE TRADE.

No more Weeds! Noxious Vegetation of every description permanently destroyed by one application.

## THE "ACME" WEED KILLER

IS RECOMMENDED BY

Mr. W. G. HEAD, Crystal Palace,  
Mr. LYNCH, Curator, Botanic Gardens, Cambridge,  
And others, for destroying Weeds on Garden Walks, Carriage Drives, Roads, &c.

One application will keep Walks, &c., clear of Weeds for Eighteen Months.

RETAIL PRICES.—In 1 and 2 gall. tins, 2s. per gall. (tins included); 5-gall. drums, 1s. 6d. per gall.; 8 galls., 1s. 5d. per gall.; 10, 15, 18, and 20 galls., 1s. 4d. per gall.; in 40-gall. casks, 1s. 3d. per gall. Used in the proportion of 1 gall. to 25 galls. water, and applied with an ordinary watering-can.

## DOUBLE STRENGTH.

If desired we can supply the "ACME" WEED KILLER double strength, 1 gall. to be mixed with 50 galls. of water.

RETAIL PRICES.—1 and 2 gall. Tins, 3s. per gall. (tins included); 5 galls., 2s. 6d. per gall.; 8 galls., 2s. 4d. per gall.; 10, 15, 18, and 20 galls., 2s. 3d. per gall.; 40-gall. casks, 2s. per gall.

Carriage paid on 6 galls. in tins, or 5 galls. in drum.

## POWDER WEED KILLER.

One small canister sufficient for 25 galls. water. Specially suitable for export.

## TRADE TERMS ON APPLICATION.

We shall be pleased to supply (gratis) illustrated circulars with the name and address of tradesmen printed thereon, showcard, &c.

**THE ACME CHEMICAL CO., LIMITED,**  
**TONBRIDGE, KENT,**  
And **CARLTON STREET, BOLTON, LANCs.**  
**AGENTS WANTED EVERYWHERE.**

# BOWDLEAR'S

# FLOOR WAX

ALL READY. ANYBODY CAN APPLY IT. THE BEST THING FOR THE PURPOSE.

PULVERIZED for DANCING FLOORS.

IS NOT WHITE. Will Not Ball on the Feet or Soil the Garments.

The FLOOR must be CLEAN and FREE from OIL.

**W. H. BOWDLEAR & CO., BOSTON, MASS., U.S.A.**

# JACKS' PILLS

THE BEST FAMILY MEDICINE ON EARTH.

They cure Constipation, Biliousness, Indigestion, Fulness after Meals, Sick Headache, Heartburn, Flushings of Heat, Cold Chills, Depressed Spirits, Sleepless Nights, Liver Complaints, Palpitation of the Heart, Pains in the Back, all Nervous Disorders, &c. &c. For Females of all ages they will be found the best medicine on earth, never failing to cure all complaints and symptoms incident to the sex. With full directions. Price 9d., 1/12, and 2/9, from all Chemists, or direct from the Proprietor, **THOMAS JACKS, 8 St. George's Circus, LONDON, S.E. Small Pill, Pearl-coated, Tasteless.** All Chemists, Druggists, and Stores should stock these pills, which are being well advertised, and, as they are really good, are now in great demand.

**METHYLATED SPIRIT, HIGH-CLASS PETROLEUM AND PARAFFIN OILS,**  
**LUBRICATING AND PAINT OILS,**

Turpentine, Pitch, Tar, Colours, Chemicals, and Disinfectants.

**S. BOWLEY & SON,** Refiners, Distillers, and Manufacturers, **WELLINGTON WORKS, BATTERSEA BRIDGE, LONDON, S.W.**



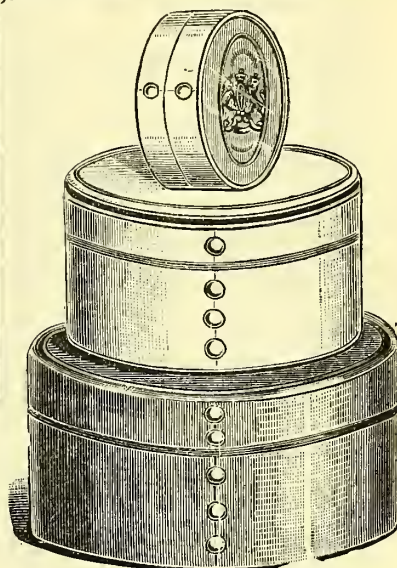
**T. REMUS'S**

30, 32 &amp; 34 Tabernacle St., LONDON, E.C.

**ROUND CARDBOARD BOXES**

(WITH ORNAMENTAL RIVETS).

| No. | Diameter in Inches.           | Depth in Inches.              | A Plain.   | B Shoulder and Lid of Box Coloured. |                                                                                                                                       |
|-----|-------------------------------|-------------------------------|------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 5   | 2                             | 1                             | Per gross. | Per gross.                          | Dies for embossing are charged extra, from 10s. to £2 10s., according to design; but if 25 gross are ordered, the die is not charged. |
| 6   | 2 <sup>3</sup> / <sub>8</sub> | 1 <sup>3</sup> / <sub>8</sub> | 7/9        | 8/6                                 |                                                                                                                                       |
| 8   | 3 <sup>1</sup> / <sub>8</sub> | 1 <sup>5</sup> / <sub>8</sub> | 9/6        | 10/3                                |                                                                                                                                       |
| 10  | 3 <sup>5</sup> / <sub>8</sub> | 1 <sup>7</sup> / <sub>8</sub> | 14/3       | 15/3                                |                                                                                                                                       |
| 12  | 4 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub> | 19/-       | 20/3                                |                                                                                                                                       |
| 14  | 5 <sup>1</sup> / <sub>8</sub> | 2 <sup>3</sup> / <sub>8</sub> | 25/-       | 27/-                                |                                                                                                                                       |
| 16  | 6 <sup>1</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>8</sub> | 33/-       | 35/-                                |                                                                                                                                       |
| 18  | 7 <sup>1</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub> | 47/3       | 50/-                                |                                                                                                                                       |
|     |                               |                               | 65/3       | 69/-                                | 10 % discount allowed on 12 gross and upwards.                                                                                        |

**LIDS MAY BE EMBOSSED, LABELLED, OR GOLD BLOCKED.***The charge for embossing top of lid is as follows:—*

|              |     |     |     |               |          |
|--------------|-----|-----|-----|---------------|----------|
| No. 5 to 10  | ... | ... | ... | 1/6 per gross | } extra. |
| No. 11 to 16 | ... | ... | ... | 2/6 "         |          |
| No. 17 & 18  | ... | ... | ... | 3/- "         |          |

**WRITE FOR SAMPLES AND FURTHER PARTICULARS.**

# BOXES

ESTABLISHED 1838

**ROUND, OVAL, SQUARE, or FOLDING, for the****DRUG, DRYSALTRY, AND CONFECTIONERY TRADES.****LABELS, WHEN PRINTED TO OUR INSTRUCTIONS, WE PUT ON PILL AND OTHER BOXES FREE OF CHARGE.****BOXES AND CASES FOR**

Baking Powder, Black Lead, Bottles, Camphor Ball, Capsules, Castor Oil, Cough Lozenges, Dispensing Powder, Eye Ointment, Fancy Boxes, Fuller's Earth, Folding Boxes, Glass Top Outers, Homœopathic Bottles, Insect Powders, Ink Cases, Jewellery, Lozenge, Lip Salve, Magnesia, Metal Paste, Marking Ink, Nipple Shields, Night Lights, Parcel Post Pastilles, Pills, Potash Tabletr, Plasters, Salt Lemon, Seidlitz Powder, Starch Gloss, Soaps, Soda Powder, Syringes, Tapers, Tooth Powder, Violet Powder, &c.

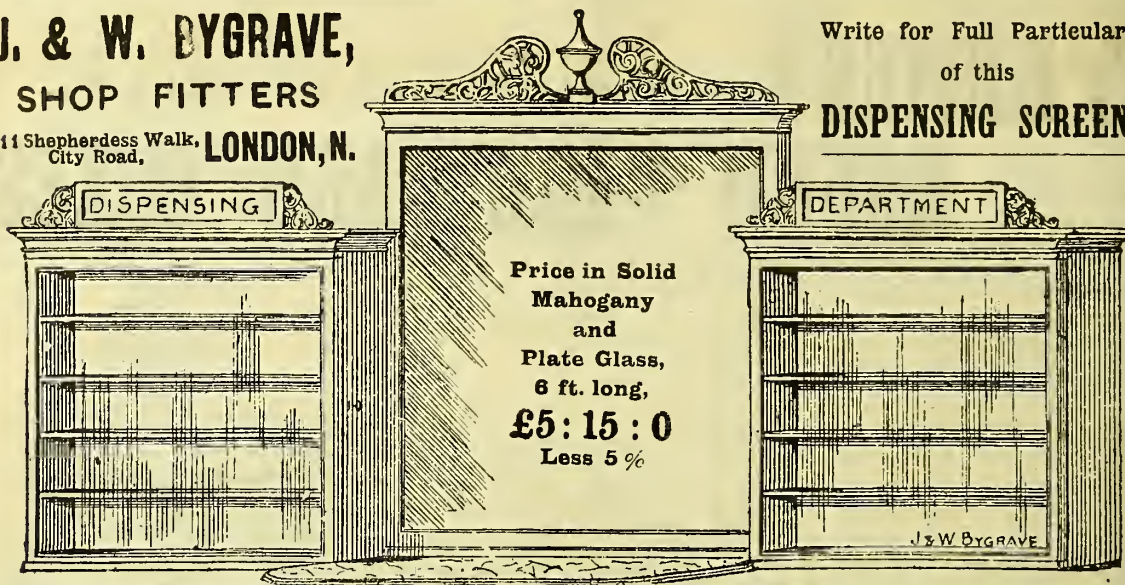
**ROBINSON & SONS, LIM.,** **WHEATBRIDGE MILLS & CHESTERFIELD,**  
**HOLMBROOK WORKS,**
**And 55 FANN STREET, ALDERSGATE STREET, LONDON.**



# J. & W. DYGRAVE, SHOP FITTERS

111 Shepherdess Walk,  
City Road, LONDON, N.

Write for Full Particulars  
of this  
**DISPENSING SCREEN.**



## PHILIP JOSEPHS, 54, 68, and 93, LONDON, E.C.

Has always in Stock a large assortment of Second-hand and New Drawers, Counters, Dispensing Screens, Glass Wall and Counter Cases, and every requisite for Fitting-up a Shop within 24 hours at prices less than any other house. Inspection invited. See Coloured Supplement each week under "Miscellaneous."

**CLOSED ON SATURDAYS.**

## BOWLING & GOVIER, SHOP FITTERS, GUN STREET, BRUSHFIELD STREET, BISHOPSGATE, LONDON.

**NOTICE.** See the Shops recently fitted in our Modern Style, and send for Estimates for Best Work at Lowest Prices.

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Bowden's Drug Stores, Edgware Road.  
May's Drug Stores, London Wall.  
Bruce's Drug Stores, Ealing.  
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Mr. Lewis's Drug Stores, Kilburn.

Messrs. Robson & Son's Drug Stores, Scarborough.  
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Mr. Bateman, Finchley Road.  
Messrs. Thomas Brothers, Cheltenham.  
Mr. Chabot, Tunbridge Wells.  
Mr. Francis, Carmarthen.

Mr. Pettinger, Hampstead.  
Mr. Grose, Swansea.  
South Wales Drug Company, Cardiff.  
Mr. Southon, Leadenhall Street.  
Allen & Hanburys, 48 Wigmore Street, W.  
Messrs. Williams & Co., Cardiff.

"A thing of beauty is a joy for ever." So is a well-fitted Shop.

## VINCENT WOOD'S is the NATIONAL HOUSE

FOR  
**SURGICAL  
APPLIANCES**

Special orders invariably  
despatched same day as  
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Goods procurable  
from all Wholesale  
Houses or from Pa-  
tentees.

Established over 50 years.

Head Office: 3 St. Andrew's St., HOLBORN CIRCUS, E.C.  
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Also at MAIN ST., CARLTON, NOTTS;

And Engineering Works: Railway Arches, Herne Hill, S.E.

52



Suspensory Bandages from 2s. per doz.

## GARDNER'S PATENT

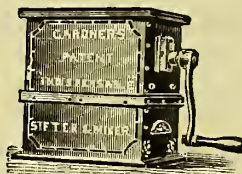
### "RAPID" SIFTERS & MIXERS

Are now working in  
Almost Every Trade  
where DRY POWDERS  
are Sifted and Mixed  
and Lumps Reduced, all  
being done at one  
operation.

For HAND or POWER

Prices from 48/-  
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CATALOGUES FREE.



WM. GARDNER, Engineering Works, GLOUCESTER.

Trusses from 11s. 6d. per doz., springs guaranteed.



MADE IN 6 DIFFERENT SIZES.

# VELUTINA POLISHING CLOTH.

MADE IN 6 DIFFERENT SIZES.

THE BEST MATERIAL FOR POLISHING PLATE,  
METALS, FURNITURE, GLASS, or ANYTHING WITH A BRIGHT SURFACE.

*There is None Better than the Best.*

## VELUTINA POLISHING CLOTH

**Is  
Better  
than  
Chamois  
Leather.**



JANE: Do you use this wonderful VELUTINA POLISHING CLOTH?  
MARY: No; we use nothing but dusters and wash-leather.  
JANE: I thought so; that explains why things are so dull at your place, compared with ours!  
MARY: Why! does the VELUTINA POLISHING CLOTH make all the difference?

JANE: It brightens up everything when used with a little "elbow grease," whether furniture, plate, metals, glass, or one's temper; and our young gentlemen say there is nothing so good as it for polishing their bicycles; besides, when it's soiled it can be washed, and when dry it's as good as new, and does not become hard and useless like wash-leather.

**WHO SELL IT? ALL CHEMISTS AND DRUGGISTS.**

To be obtained of MESSRS. S. MAW, SON & THOMPSON, Aldersgate Street, E.C.  
And of all Wholesale Houses in LONDON, MANCHESTER, GLASGOW, &c.

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**ST DALMAS' LEICESTER**

*Improved Adhesive plaster*

**ON FINE FLESH COLORED CAMBRIC**

USED BY SURGEONS ALL  
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## "THE LEICESTER" IMPROVED ADHESIVE PLASTER

In 3-yd. rolls, 16-in. wide.  
In Handsomely Deco- { containing 18 by 6 inches, to Retail 6d.  
rated Tins " 36 by 6 " " " 1/-

## "The Leicester" Ribbon Plasters

On flesh colour Cambric, 6 yds. long,  $\frac{1}{4}$ -in.,  $\frac{3}{8}$ -in.,  $\frac{1}{2}$ -in.,  $\frac{3}{4}$ -in., 1-in.,  $1\frac{1}{2}$ -in.  
and 2-in. wide, in japanned tins.

MAY BE OBTAINED FROM ANY WHOLESALE HOUSE.

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HOSPITAL  
SHEETINGS.

PINK  
JACCONET.



## FABRICS, ETC.

BANDAGE  
CLOTHS.

WATER-  
PROOF  
LINT.

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London Office and Warehouse—74 and 75 F<sup>ORE</sup> STREET, E.C.

**Victoria Indiarubber Mills, EDINBURGH.**

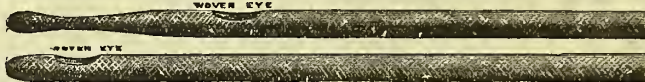
Samples, &c., on application.

## ESCHMANN BROS. & WALSH.

Inventors and Manufacturers of the

**SOFT SILK FLEXIBLE CATHETER, GUARANTEED WITH WOVEN EYES.**

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Instrument Makers  
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## MEDICAL CIGARETTES.

Made up from Stramonium, Cubeb, Cannabis Indica, Eucalyptus, Mullein, &c., &c.

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Make and Style. **WHOLESALE AND EXPORT ONLY.**

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Manufacturers of all kinds of

**ASEPTIC AND ANTISEPTIC  
SURGICAL DRESSINGS, &c.**

Special Novelties of the Vienna Medical School, as used by  
Drs. BILLROTH, BRAUN, CHIARI, MOSETIG, &c., &c.

SOLE MANUFACTURERS OF THE

## NEW PATENT BANDAGE ROLLS

SPECIALLY ADAPTED FOR HOSPITAL USE.



These Rolls, which, on account of their greater convenience and cheap-  
ness, are rapidly replacing the ordinary calico bandages, are made in  
bleached and unbleached cottons and gauzes, from 33 inches to 36 inches  
wide, from which bandages of any width can be easily cut as required,  
the edges remaining quite firm and smooth.

Each Roll is packed separately in a box, and has attached to it a gauge  
divided into inches to cut by.

AGENT FOR GREAT BRITAIN—

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**ABSOLUTELY  
RELIABLE.**



**TRADE PRICE  
MODERATE.**

**SALE UPWARDS  
OF 4,000,000.**

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SOLUBLE**

## QUININE TABLETS.

A soluble Quinine Pessary of proved absolute  
reliability. Upwards of 4,000,000 have been  
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We have a list of Special Articles for Chemists  
which command a ready sale at large profits.  
A Copy on application post free.

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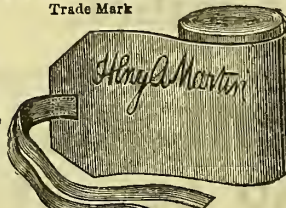
*Surgical Instrument and  
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Trade Mark

For the  
Radical Cure  
of Varicose  
Veins, Ulcers,  
and other  
Diseases of  
the Leg.



CAUTION.—Please  
order Genuine  
Martin's Bandages,  
each being  
stamped with Dr.  
Martin's signa-  
ture. All others  
are Spurious  
Imitations.

Complete Price List,  
Trade Discount, and  
Dr. Martin's  
Pamphlet post free.

| No. | PRICES.                                    | Feet   | Inches | Each |
|-----|--------------------------------------------|--------|--------|------|
| 2A. | Thin, for ankle, elbow, wrist, and forearm | 6      | 2 1/2  | 3/6  |
| 3.  | Thick "                                    | 6      | 2 1/2  | 4/-  |
| 1B. | Thin, for leg below knee                   | 10 1/2 | 3      | 5/6  |
| 1A. | Thick "                                    | 10 1/2 | 3      | 7/6  |
| 8.  | Thin, for leg and knee                     | 14     | 3      | 7/6  |
| 7.  | Thick "                                    | 14     | 3      | 8/6  |
| 9B. | Thin, for leg and thigh                    | 21     | 3      | 10/6 |
| 9A. | Thick "                                    | 21     | 3      | 13/6 |

Sole Agents—**KROHNE & SESEMANN, SURGICAL INSTRUMENT MAKERS,**  
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Is now extensively used in most Households, and the sale is increasing enormously, but, unfortunately, the trade seems to be rapidly drifting to Stationers, Drapers, and Fancy shops. In order, if possible, to counteract this, we have worked up a complete series of Toilet Papers of excellent value at moderate prices, the sale of which, moreover, is confined exclusively to Chemists and Druggists.

|        |              |                      |                                |     |     | Per Doz. |
|--------|--------------|----------------------|--------------------------------|-----|-----|----------|
| No. 1. | "Household," | in packets,          | 500 sheets                     | ... | ... | 2/8      |
| 2.     | "Japanese,"  | do.                  | do.                            | ... | ... | 3/9      |
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| 4.     | "Mikado,"    | Crepe Tissue,        | soft, flexible, and soluble    | ... | ... | 6/6      |
| 5.     | "Monroe's"   | Antiseptic,          | in Cartoons for Hanging        | ... | ... | 4/-      |
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|        | Do.          | do.                  | do. with holder                | ... | ... | 3/6      |
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| 11.    | "Perfect,"   | in rolls,            | super quality, a perfect paper | ... | ... | 6/6      |
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SPECIALITIES: Glycerine—Gum Arabic—  
Gum Tragacanth—Pure Beeswax—Honey.**ROSS'S ROYAL  
BELFAST  
GINGER ALE**

Sole Purveyors to Spiers &amp; Pond (Lim.)

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EUCALYPTIA.**

From "Eucalyptus Globulus." An authentic regenerator of the hair, instantly stopping its falling off, and is invaluable for hairdressing; a safeguard in epidemic times, protectively surrounding the respiratory functions from malarious and vitiated emanations. In Bottles at 2/6, 3/6, 4/6, 7/-, 10/-, &amp;c.

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**E. H. THIELLAY.**Parfumeur-Chimiste, Amersham Park, New Cross, LONDON.  
(SHOW ROOMS AT CHABING CROSS HOTEL.) [2]**CRETA BRAND  
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Much Lighter and Finer than any other in the Market.

Prices and Samples on application to SOLE AGENTS—

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**JUNE'S HEALTH BATH SALT.**

A new refreshing and invigorating preparation which meets with a ready sale wherever introduced.

**GOOD PROFIT GUARANTEED.**

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Every requisite for Smokers in One order. Maximum of profit—Minimum of trouble.

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Specially prepared for Dentifrices and Toilet purposes. Guaranteed free from Iron or Acid. Cheapest Sellers in the Market.

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Telegrams—"LEVERMORE LONDON." A B C Code used.**TO LET.****NESS & COMPANY, DARLINGTON,**

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Highest Award World's Fair, Chicago, and Four Gold Medals.

WRITE FOR PARTICULARS AND SAMPLES.

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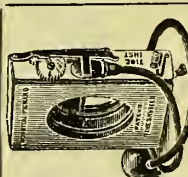
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Established 1867.**This Space is Let for a Series to  
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Offices: 6 ROCHESTER SQUARE, LONDON, N.W.

Keen Buyers of all CHEMICALS, DRUGS, and  
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**PILES, HEMORRHOIDS, AND FISSURE.**As this Remedy is now being extensively advertised,  
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Manager—A. A. KNIGHT, Chemist.

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**IMMEDIATELY SOFTENS HARD WATER**

Refreshing and Invigorating, Delightful to the Skin.

Prepared by COSMOSINE CO., Granby Row, Manchester.

Exquisitely Perfumed. Retail, Boxes, 1s. and 2s 6d.

Terms direct, or through Wholesale Houses.

**IRISH VELS, A. & J. WARREN,**In 50 & 100 doz. Casks.  
IMPORTED BYWholesale Druggists and Methylated Spirit Makers,  
Makers of Essence of Rennet for Cheese.Supplied in 40 and 20 gallon Casks and 10-gallon Tins, also in smaller  
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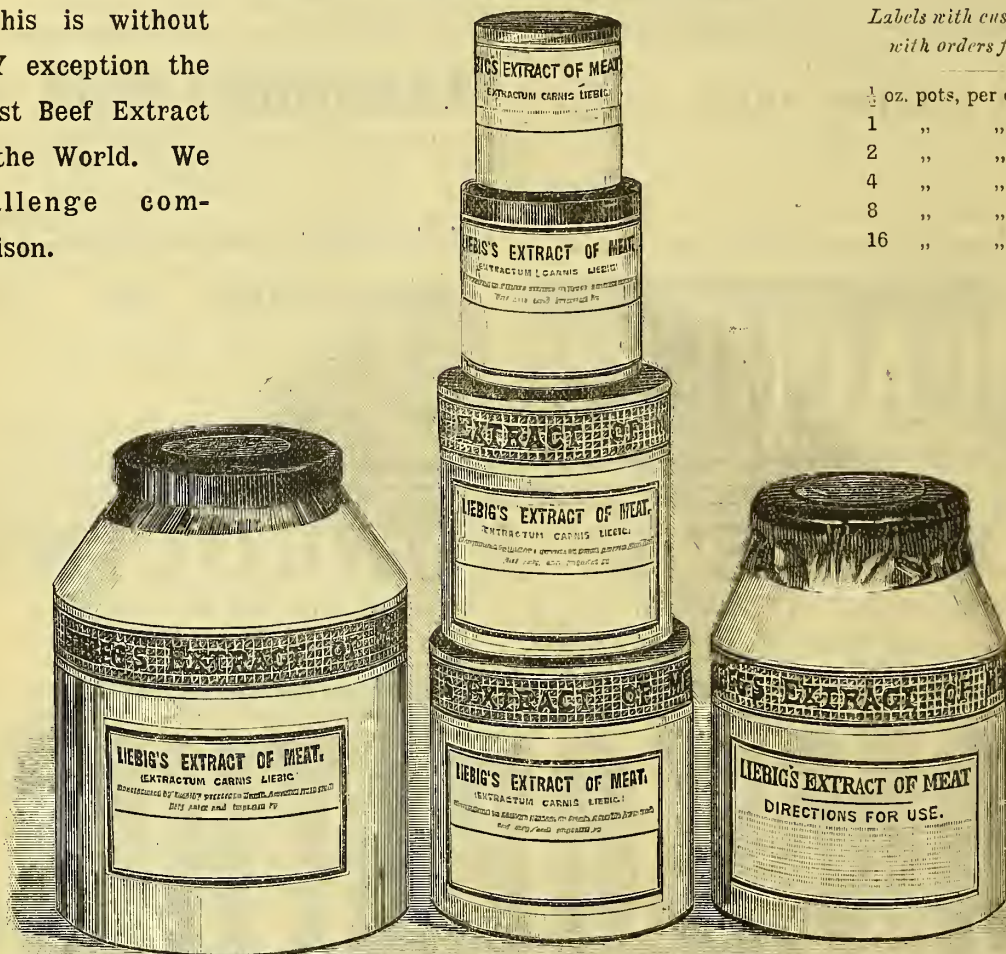
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## (Pure Beef Extract).

This is without  
ANY exception the  
finest Beef Extract  
in the World. We  
challenge com-  
parison.

*Labels with customer's name  
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| $\frac{1}{2}$ oz. pots, per doz ... | 3/-  |
|-------------------------------------|------|
| 1 " " ...                           | 4 6  |
| 2 " " ...                           | 8 -  |
| 4 " " ...                           | 14 6 |
| 8 " " ...                           | 26/- |
| 16 " " ...                          | 48/- |



We guarantee the purity and genuineness of every ounce of Beef Extract we sell. We are careful to buy and import South American Extract only, prepared from prime Ox Beef, and of uniformly good quality.

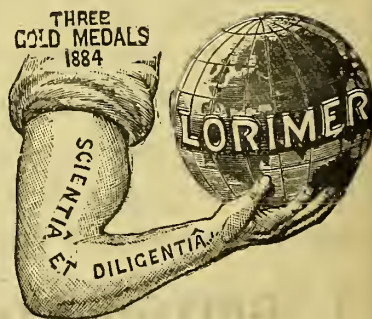
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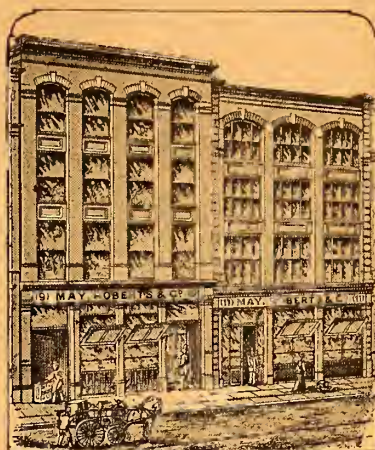


# READY JULY 1st, 1895.

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DRUGGISTS' SUNDRIES.  
PACKED DRUGS AND PERFUMERY.  
PATENT MEDICINES.

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**N.B.**—We also issue a **MONTHLY CIRCULAR**, giving particulars of alterations in the prices of Patent Medicines and Proprietary Goods, which we shall be pleased to post free to anyone desiring to have it each month.

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(CONTAINING 60 PER CENT. OF OIL).

White and permanent. Highly Perfumed with the Natural Scent of the Lime.

BOTTLES WITH BOXWOOD TOP CORKS AND GILT LABELS

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|------------|-----|-----|-----|-----|-----|-----|----------------|
| Sold in... | ... | ... | ... | 3   | 4   | 6   | 8 oz. Bottles. |
| At         | ... | ... | ... | 2/2 | 2/6 | 3/6 | 4/3 per doz.   |

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SUBJECT TO USUAL TERMS.

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ABSOLUTELY PURE  
therefore BEST.

Cadbury's is "The Typical Cocoa of English Manufacture, Absolutely Pure."—*The Analyst*.

NO CHEMICALS USED IN CADBURY'S AS IN THE SO-CALLED PURE FOREIGN COCOAS.

## *Apollinaris*

## *Hunyadi János*

## *Friedrichshall*

NATURAL MINERAL WATERS.

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Single Cases Delivered in London, and, at the Same Prices,  
Carriage Paid, to any Railway Station.

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APPLY TO

THE APOLLINARIS COMPANY, LIMITED, 4 Stratford Place, Oxford Street, London, W.



# The Chemist & Druggist

## SUPPLEMENT.

Businesses Wanted  
Businesses for Disposal  
Premises to Let  
Auction Sales

SATURDAY, JUNE 15, 1895

Partnerships  
Situations Vacant  
Situations Wanted  
Miscellaneous

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

THE CIRCULATION OF THE SUPPLEMENT THIS WEEK EXCEEDS 14,000.

## CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 32 LUDGATE HILL, E.C.

CHEMISTS' TRANSFER AGENTS,

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

The business conducted by Messrs. ORRIDGE & Co. has been known as a Transfer Agency since the year 1846, and is well known to all the leading firms in the Trade. VENDORS have the advantage of obtaining an opinion on value derived from extensive experience, and are in most cases enabled to avoid an infinity of trouble by making a selection from a list of applicants for purchase, with the view of submitting confidential particulars to those alone who are most likely to possess business qualifications and adequate means for investment. PURCHASERS who desire early information regarding eligible opportunities for entering business will greatly facilitate their object by describing clearly the class of connection they wish to obtain.

1.—£1,250.—CITY BUSINESS.—Old-established; situate in a main thoroughfare; commanding position; the investment requires about £1,250, for which good value is offered.

2.—£1,300.—LONDON.—Old-established Business (genuine), with select Wholesale of profitable nature; returns £1,300 yearly; good warehouse room, &c.; terms, small premium and stock at valuation.

3.—£700.—LONDON, S.W.—Dispensing and Retail Business, good-class, situate in a good-class locality; corner position; returns, present rate, about £700 yearly, increasing; profits good; attractive residence; about £650 required.

4.—£1,000.—LONDON, S.E. (Suburban).—Good-class Dispensing and Retail Business, situate in a main road; splendid position; returns over £1,000 yearly; convenient house, with garden; price £800.

5.—£800.—LONDON, N.—Middle-class Retail Business; old-established; commanding position; returns £800 yearly; large profits; comfortable residence; moderate rent, held on lease; terms to be arranged.

6.—LONDON (Eastern Suburb).—Retail Business, situate in an attractive locality, rapidly increasing; returns, present rate, £3 per week; well-fitted and attractive shop; rent £55, on lease; terms, valuation of stock and fixtures will be accepted.

7.—£600.—LEYTONSTONE (near).—Well-established Retail Business; returns about £600 yearly, under management; can be largely extended; good house and garden; price £350; good opening for a beginner.

8.—£1,500.—EAST COAST WATERING-PLACE (Season just commencing).—Good-class Dispensing and Retail Business, situate in main thoroughfare; returns £1,500, increasing; profits net between £500 and £600 yearly; about £1,500 required; particulars on application (London references required).

9.—£1,000.—SOUTHSEA (near).—Unopposed Business, Retail and Dispensing, with some light fancy trade; returns £1,000 yearly; profit £400; well-fitted shop, large stock; about £800 required.

10.—£600.—SOUTH COAST (Fashionable Watering-place).—High-class Dispensing Business; returns average about £600 yearly; convenient house and garden; price £500, or reasonable offer entertained.

11.—£950.—DERBYSHIRE.—Very old-established Mixed Business, held by vendor many years; returns average £950 yearly; several good Proprietary articles included; comfortable residence; price £800.

12.—£100.—GLOUCESTERSHIRE.—Agricultural town, centrally situate; old-established good-class Business; returns, present rate, between £900 and £1,000 yearly; commodious house at low rental; about £800 required.

13.—£600.—BUCKS.—Country town; Retail and Prescribing Business; no heavy trade; returns nearly £600 yearly; vendor having special reasons for relinquishing will sell at a valuation of stock and fixtures, say about £200 to £250; there is a good garden and excellent warehouse attached to the house.

14.—£900.—YORKS.—High-class Pharmacy, Dispensing and Retail; no heavy trade; prominent position; returns between £800 and £900 yearly, can be increased; single-fronted shop, lock-up Pharmacy; price £550.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

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TERMS FOR VALUATION ON APPLICATION. APPOINTMENTS BY POST OR WIRE HAVE IMMEDIATE ATTENTION. Messrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the especial attention of a London Agent.

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3s. 6d. for 50 words; 6d. for every 10 words beyond.

EXCELLENT Business TO LET, with option of purchase, for £85 a year; property on lease, rent £75; £60 deposit and sound security for £500 required; exceedingly profitable; established 40 years; in leading thoroughfare of large Yorkshire town. 62/23, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

### PARTNERSHIPS.

3s. 6d. for 50 words; 6d. for every 10 words beyond.

MEDICAL Man wishes to meet gentleman with Pharmaceutical Diploma to join him in starting Light Retail Business in densely-populated district, steadily growing; several large works in neighbourhood; no opposition for considerable distance; about £100 required; should prove a sound investment. Address, T., 3 Barclay Road, Fulham, S.W.

### SALES BY AUCTION.

3s. 6d. for 50 words; 6d. for every 10 words beyond.

NEWINGTON BUTTS. Stimson & Sons will Sell by Auction, at the Mart, Tokenhouse Yard, E.C., on Thursday, June 27, at 2 o'clock precisely, 2 Houses and Shops (one a commanding corner), Nos. 81 and 83 Newington Butts. No. 83 contains 6 rooms, large corner shop, basement, and conveniences, and is suitable for any business; estimated rental £125 per annum; for sale with possession. No. 81 contains 6 rooms, shop, and conveniences. Term 67 years. Particulars of Arthur L. Jones, Esq., Solicitor, 27 Bloomsbury Square, W.C.; and of the Auctioneers, 8 Moor-gate Street, E.C., and 2 New Kent Road, S.E.

### APPRENTICESHIPS.

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**NO CHARGE TO BUYERS.**

£700 returns.—**S.W.**—Light Retail, with Post Office worth £100 per annum; house good, lease; cash price, £550.

£1,000 returns.—**SOUTH.**—General Retail; good position; growing town; price £320.

£720 returns.—**NOTTS.**—Country Retail; net profit over £200; price £400.

**SHEFFIELD.**—Proprietary article; suit Chemist well; price £100.

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CHEMISTS' TRANSFER AGENTS AND VALUERS,  
30 JEWRY STREET, ALDGATE, E.C.  
Established 1870.

1.—**BATH.**—Old-established Retail and Dispensing Business; same hands 40 years, retiring; returns £700; net profit £300; can be much increased; price £550; valuation terms arranged if wished.

2.—**BERKSHIRE.**—Large, unopposed village Light Retail and Prescribing Business; returns £760; rent £30; good house; net profit £250; same hands 20 years; price £500, or offer.

3.—**CARDIFF.**—Light Retail and Prescribing Business; returns £850 under manager; excellent position; main thoroughfare; well fitted and stocked; is capable of great increase; price £350.

4.—**SURREY.**—Large town; Retail, Dispensing, and Prescribing Business; returns £7 weekly, steadily increasing; rent £40; good house; good reason for selling; price £250, or offer.

5.—**DERBYSHIRE.**—Old-established Retail, Dispensing, and Prescribing Business; returns £950; owner retiring after 20 years; good house; excellent premises; price £800, or offer.

6.—**BANKS OF THAMES.**—25 miles West of London; Retail and Prescribing Business; returns £7 weekly; low rent; double-fronted shop; no great opposition; price £200.

7.—**MIDLANDS.**—Market town; population 10,000; returns £700; net profit over £200; low rent; good house; well fitted and stocked shop; price £400.

8.—**LONDON, W.**—High-class Light Retail and Dispensing Business, making a net profit of £450 yearly; splendid position, centre of the West-end squares; price £1,250.

9.—**WEST KENSINGTON.**—Light Retail, Dispensing, and Prescribing Business; returns £600; handsome double-fronted corner shop; good house; at valuation about £250; no goodwill.

10.—**LONDON, N.W.**—Main street; Light Retail, Dispensing, and Prescribing Business; returns £1,250; good profits; books open for inspection; price £750; worth special attention.

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**SPECIAL ATTENTION** is paid to Valuations, which are personally conducted by a member of the firm, in any part of the United Kingdom. Our terms, which are moderate, may be had on application.

Berdoe & Co., 30 Jewry Street, Aldgate, E.C.

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Chemists' Consultants, Investigators, Transfer Agents and Valuers,  
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FORTY-FOUR YEARS' EXPERIENCE.

**LANCASHIRE.**—Returns £2,145; 2 shops; good market town.  
**MANCHESTER (Suburban).**—Returns £500; picturesque house, shop, and neighbourhood; rent £50; ill-health sole cause of leaving; easily increased.

**HEYWOOD.**—Returns £700; rent £26; price, valuation; Mixed trade.

**YORKS.**—Returns £1,200; price £1,100; rent £40; good house.

And many others of various sizes, classes, and localities.

**NO CHARGE TO PURCHASERS.**

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**HOME COUNTIES.**—50 miles from London; a most desirable Light Retail, Dispensing and Prescribing trade, giving a clear profit of £200 a year on a return of £600; price £525, including a good lease; this is well worth prompt attention; owner retiring after 20 years' holding.

**SUSSEX.**—Light Retail &c.; returns £400; low rent; good house; price £350, or valuation can be arranged.

**NORTH MIDLANDS.**—An exceptionally good opportunity for a pushing man; returns £500; price £350; splendid premises and plenty of scope for increase.

**S.W.**—Retail and Prescribing Business, returning about £400, with good profits; nice residence; price £250.

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**W.**—High-class Dispensing, returning £1,300 at good prices; price £300 good will and valuation.

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**BUSY LONDON SUBURB.**—Smart Pharmacy; Retail and Dispensing; shop well fitted and stocked; bold window; returns £600; long and valuable lease; good 8-roomed house; price £350.

**IRELAND (South).**—Good-class Compounding, Retail, and Prescribing Business; returns about £600 at large profits; superior house, stables, &c.; price £470 or valuation, and goodwill to be agreed.

**LINCOLNSHIRE.**—Country Business, returning £600, in good-class Retail; very desirable residence, garden, stable, &c.; growing business; weak opposition; price £450 or valuation.

**LONDON, S.W.**—Through illness; very profitable Retail and Prescribing Business; double front; good house; private entrance; price £100; bargain.

**NEAR RICHMOND.**—Well-fitted Chemist's Shop; capital position; small stock; 6-roomed house; price £100; lease worth money.

**BIRMINGHAM.**—Light, Retail, Dispensing, and Prescribing; modern fittings; price £280.

**DERBYSHIRE.**—Light, Retail, and Prescribing Business; net profit £100; price £12.

**LONDON.**—S.W., £150; S.W., £785; S.E., £400; W., £350; E., £100; S.W., £65; W., £425; S.E., £525; N., £225.

Our Speciality, VALUATIONS conducted from start to finish by a member of the firm. Our experience extends over 25 years. References to past Clients.

**56 CHEAPSIDE, LONDON, E.C.**

**BUSINESSES FOR DISPOSAL.**

3s. 6d. for 50 words; 6d. for every 10 words beyond.

**TO** Chemists and Druggists.—For immediate Disposal, a good going Cash Business; fixtures, stock, goodwill, £300. Apply to Mr. Collins, 47 Parade, Leamington.

**CHESHIRE.**—Dispensing Business and Post Office; good opportunity for a young man. Apply, in the first instance, Ayton & Saunders, 149 Duke Street, Liverpool.

**LEICESTER.**—Light Retail in leading thoroughfare, returning £600, and capable of great increase; good house; price £350. F. J. Brett, 60 St. Stephen's Road, Leicester.

**LIVERPOOL.**—For immediate Disposal, a Chemist's Retail and Dispensing Business; situated in good residential neighbourhood; main thoroughfare; price £200; worth attention. Particulars from X., c/o Olaf, Dod & Co., Liverpool.

**LEEDS.**—For Disposal, old-established Chemist's Business in good thoroughfare, working-class neighbourhood; corner shop; returns £480, good profits; rent £23; price £375. Apply, F. Hirst, Brooke & Hirst (Limited), Leeds.

**CHEMIST**, retiring, wishes to Dispose of his Business—good-class General—in the provinces; will take valuation of stock and fixtures, about £1,000. Bona-fide purchaser only, apply to "Favo," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.



**BUSINESSES FOR DISPOSAL—Cont.**

**CHEMIST** and Druggist's for Sale, a bargain; suit a beginner: rent £50, part let off; proprietor retiring through old age; price £60 to an immediate purchaser; a younger man would soon double the business; stock at valuation. 65 Old Street, E.C.

**PLYMOUTH.**—Old-established Business in centre of town; rent £65, £26 let off; amply stocked; modern fittings; good opening for Cash business for smart man; moderate price for cash. Apply, Wm. Searle, 2 Gainsboro' Villas, Alexandra Road, Mutley, Plymouth.

**£300.**—The first reasonable offer scores a Business returning over £301, with a net profit of £131; proprietor taken larger concern, therefore must sell. Apply personally, or by letter, to E. O. Whitby, Moorside, Widens. Investigation invited.

**SUBURBAN** Pharmacy, handsomely fitted, near Manchester; rent £42; returns £500, easily increased; books open for inspection; made £300 over living expenses first 2½ years opened. Apply, "Medicus," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**KENSINGTON, W.**—First-class Retail and Dispensing Business; returns £1,163, under management, and capable of large increase under a principal; stock and fixtures worth about £900; price £1,150. "Lyne," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**IMMEDIATE** Disposal, as Owner has taken another business; London, S.E., main road; attractive shop; returns £1,050; price about £850; this is a good opportunity for anyone wishing to acquire a genuine business. Apply, by letter, to H. S., 51 Howson Road, Brockley, London, S.E.

**£1,500** returns—N.W.; splendid corner position; good-class Retail and Dispensing; net profit £500 per annum; good house; rent low, long lease; price £1,400. Buyers enclosing reference can have introduction from F. J. Brett, 60 St. Stephen's Road, Leicester.

**SHOP**, with plate-glass window and splendid position, in a town of 6,000 inhabitants, with long lease on most advantageous terms, to be disposed of, suitable for Chemist and Dispensary; practically no opposition. Apply, by letter, A., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**ADVERTISER**, who is about to purchase a large Business, is desirous of Disposing of his present one: returns £700 yearly, with a net profit of £300; well-stocked and well-fitted shop; prominent corner in good suburban district. "Aloes," c/o Messrs. Hodgkinson & Co., 101 Whitecross Street, E.C.

**TO** Drug-store Proprietors.—For Sale, in the best shopping part of the City, a Light Retail, Dispensing, and Prescribing Business; anyone with capital to conduct it on the up-to-date system would soon make a good business. Address, E. J. M., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**BRISTOL (near)**—Light Retail Dispensing and Prescribing Business; returns £550, at very profitable prices; population 13,000, and only one other Chemist; handsomely-fitted and well-stocked shop; good house; rent £27; price £400 or offer. "Oval," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**CHEMISTS** who would like a Pharmacy in a good neighbourhood, N.W. district, should apply for particulars at once to "Spectator," Gentlemen who do not wish a Business, kindly save your stamps, the vendor can utilise the waste-paper basket. Letters only "Spectator," c/o 40 Rosslyn Hill, Hampstead, N.W.

**SOUTHPORT.**—Light Retail, Dispensing; returns £300; greatly neglected; last year £500; plenty of scope for increase; corner shop; healthy and commanding position on main road; valuation about £200; immediate purchaser could buy considerably under valuation. Mr. Geo. Fillingham, Accountant, 16 East Parade, Leeds.

**GENUINE** unopposed Retail and Prescribing Business; average £8 weekly; very profitable; position in main road (High Street, N.W.); a good subscriber or doctor could double in 6 months; satisfactory reasons for disposal; price £200 or offer. Apply, X. W., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**LEICESTER.**—Near centre of town; death vacancy; Chemist's and Photographic Business, with Dispensing and large practice in Tooth-extracting, which has been successfully carried on for the last 40 years; average returns under manager, about £800; could be greatly increased by principal. Apply, B. R., 21 Lincoln Street, Leicester.

**GRIMSBY.**—In consequence of the death of Mr. Woodhouse, his long-established Business, extending over 30 years, is for immediate sale; grand corner shop, beautifully fitted and well stocked; £2,000 will buy house, shop, fixtures, and stock; the shop is situated in the best part of the town. Woodhouse & Co., 103 Cleethorpes Road.

**OLD-ESTABLISHED** (Light Retail) Dispensing and Prescribing Business in populous S.E. district; handsome and substantially fitted and well-stocked corner shop; large house; good position, main road; about £300 required; returns nearly £7. can be largely increased by energetic man. W., 148 Ennersdale Road, Lewisham.

**£250.**—Birmingham.—Genuine ready-money Business for Disposal; established 40 years; capital position in busy thoroughfare; returns £450, increasing; good house, low rent; splendid opening for Dentistry to capable and energetic man; proofs given; illness sole cause of leaving. 163 Bloomsbury Street, Birmingham.

**WEST OF ENGLAND.**—Old-established first-class Light Retail and Dispensing Business, doing a large and profitable business; handsome premises; elegantly fitted pharmacy, heavily stocked; will sell by valuation and small goodwill; about £1,400 to £1,500 required. 3/30, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**FOR** immediate Disposal, an old-established Business doing £2,500 per annum; easily managed, and giving a net profit of over £500 a year, after paying all expenses; satisfactory reasons for selling, and favourable terms offered to a prompt cash buyer with a capital of about £2,000. Apply in first instance, "City," c/o Meggeson & Co., 14 Miles Lane, E.C.

**CHEMISTS** good-class profitable Business, with capital Dispensing connection; excellent thoroughfare; opposite station, North London; attractive shop, comfortable house; costly fittings and stock; valuable lease and goodwill only £350, or by valuation; wholesale references, and every investigation courted. Messrs. Wickende, 20 High Street, Tunbridge Wells.

**PRESCRIBING**, Dispensing, and Light Retail; steadily increasing returns, showing exceptionally large profits; upper middle-class trade; with capital returns could be doubled; present returns about £700, being an increase of £200 in 5 years; price £650 for cash; this represents a valuable stock and fixtures. Apply, "Vendors," Wyleys (Limited), Birmingham.

**LONDON.**—For Sale, on account of ill-health of proprietor, a Light Retail, Dispensing, and Prescribing Business, of a very profitable nature; returns nearly £1,000; very few Patents; corner shop, main street; net profits about £400; price £950; a first-class opportunity for an enterprising, pushing man. 70/35, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**£1,150** returns, at good profits; splendid position in rapidly-increasing N.W. suburb; main road; grand opening for Dentistry; large house; lowest price £1,000; no agents; applicants for particulars will please furnish reference (on London house preferred); domestic bereavement cause of sale. "Eric," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**£275.**—Dispensing and Light Retail Business, established 2 years, in good and improving suburb; new fittings; good working stock; double-fronted shop; prominent corner position; without immediate opposition; sure to do increased business; good house, separate entrance; larger thing in view. 2/5, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**LEEDS.**—Nicely-fitted shop, central position; main thoroughfare; working-class neighbourhood; Light Retail and Prescribing Business, in prosperous condition; takings over £1,000, increasing annually; every facility for expansion; rent with living-house £32; profits good, expenses low; investigation courted; lowest £650, a bargain; owner retiring. O. H. Collins, 11 Marlborough Grove, York.

**TO** be Sold, at valuation, an old-established Country Business in Norfolk; commodious and convenient premises, with garden and stabling; low rent; good-class Family and Agricultural trade, returning about £750, with good profits; sole reason for selling is death of the late proprietor, who had the business for over 50 years. For full particulars, apply to Smith & Sons, Wholesale Druggists, Norwich.

**BURTON-ON-TRENT.**—Old established Chemist's Business, in centre of town, for immediate Disposal; fixtures and stock; Light Retail and Counter Prescribing; shop, good house attached; nearly 40 years in present hands; leaving through death and declining health; first-class opportunity for a young energetic gentleman; extraordinary prominent position. Apply on the premises, 154 Station Street.

**BUSINESSES WANTED.**

3s. 6d. for 50 words; 6d. for every 10 words beyond.

**£30** cash down, and balance by instalments, for a small Chemist's Retail in London; densely populated working neighbourhood; small stock, advertiser preferring new. Particulars to "Druggist," 81 Bravington Road, London, W. No agents.

**GOOD-CLASS** Business wanted, in town or country, where returns are from £700 to £1,000; or would entertain Partnership in larger business; £700 cash in hand, and could give good security for anything over this amount. "Tinct," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**WANTED**, to purchase a Chemist's Business in London or Country, which will stand a thorough investigation, and showing a good profit; capable of extension; one suitable for Store trading preferred; principals only dealt with. State full particulars to "Argent," 39 Cleada Road, Wandsworth, London, S.W.

**WANTED**, a thoroughly genuine Dispensing, Prescribing, and Light Retail Business, showing net profit of £350 to £400 yearly (with decent house, in small Midland town, and client of Messrs. Barron preferred). "Honour," Messrs. Barron, Harveys & Co., Giltspur Street, London. N.B.—Prompt cash; bankers' references given.

**TENDERS.**

ST. MARY'S HOSPITAL, LONDON, W.

CONTRACT FOR DRUGS, CHEMICALS, DRESSINGS, &c.

**THE** Board of Management is prepared to receive Tenders for the supply of Drugs, Chemicals, Dressings, &c., for the 3 months ending 15th October next. Forms of Tender can be obtained at the Secretary's office. Tenders must be delivered, in sealed envelopes, by 10 o'clock A.M., on Monday, 24th inst., addressed to the undersigned, and marked "Tender for Drugs" or "Tender for Dressings." The Tenders must be accompanied by samples of certain articles as required.

The Board does not bind itself to accept the lowest or any Tender.

June 15, 1895.

THOMAS RYAN, Secretary.



## SITUATIONS OPEN.

3s. 6d. for 50 words; 6d. for every 10 words beyond.

**WANTED**, qualified Manager; Extractor. Apply, Bayliff, Ingleton.

**WANTED**, an Improver for a Light General Retail and Dispensing business; hours are easy. T. M. Hales, Warrington.

**WANTED**, an Assistant (outdoors) for a Mixed Country business; good references. Apply to Saunders & Son, Haverfordwest.

**WANTED**, end of June, a qualified Assistant. Apply personally; rail paid from Paddington. Griffith & Walden, Slough, Bucks.

**AT** once, Junior Assistant; outdoors. Reply, giving full particulars, photo, and salary required, McGuffie & Co., 24 Castle Street, Liverpool.

**N. M. GROSE**, Pharmacist, Swansea, is in want of a qualified Assistant as second hand; 3 kept. Full particulars, with photo, which will be returned.

**EXPERIENCED** Senior wanted for Drug-stores, London; also unqualified Assistant. State full particulars to J. O. M., 3 Craster Road, Upper Tulse Hill, S.W.

**WANTED**, for 3 or 4 months, a qualified Assistant, about 24 years of age; must be a good Counterman. Enclose photo (to be returned), J. Burton, Chemist, Llandudno.

**ASSISTANT**, qualified; outdoors; salary £6 10s. per month and commission. Address, "Vacancy," c/o Messrs. Ismay & Sons, Wholesale Druggists, Newcastle-on-Tyne.

**WANTED**, soon, qualified Assistant; personal interview preferred, by R. Humphreys, 12A Upper Belsize Terrace, N.W., near the Swiss Cottage Underground Railway Station.

**QUALIFIED** Assistant wanted (indoors). Apply, by letter only, stating age and full particulars as to experience, &c., and salary required, to "Chemist," 387 Hedon Road, Hull.

**WANTED**, an Assistant who is accustomed to good-class Retail and Dispensing. Please state full particulars of experience, height, age, and salary required, to Evans, Chemist, Margate.

**JUNIOR** Assistant; qualified; outdoors. Full particulars of experience, height, and references, with photo, to P. Davidson, Pharmaceutical Chemist, 342 High Road, Brondesbury, N.W.

**QUALIFIED**, smart, outdoor Assistant wanted for the Store trade; not over 35. State full particulars, salary required, and enclosing photo, to The County Trading Company (Limited), Oarisle.

**JULY** and August, competent Junior as Relief Assistant during holidays: Light-class Retail with Prescribing; must be well-recommended; outdoors. Full particulars to Lund, Chemist, Lancaster.

**REQUIRED**, in Yorkshire country town, a qualified Manager for the Drug Department (single), to live in the house. Apply, with full particulars, to P. B., c/o Raines & Co., Wholesale Druggists, York.

**WANTED**, immediately, a qualified Assistant, must be good Salesman and Prescriber. Apply, stating full particulars as to experience, salary, and references, to "Cinchona," c/o Smith & Sons, Norwich.

**WANTED**, at once, Junior Assistant, of good business ability. Apply, with references, also state age, height, salary required (indoors), and enclose c.d.v., to M. Hill, Chemist, 62 Norfolk Street East, Wisbech.

**WANTED**, Manager or Assistant, qualified, for Light Retail, Dispensing, and Prescribing business; permanency; indoors. Apply, stating age, salary required, and references, to King's Pharmacy, Southend-on-Sea.

**TRAVELLERS**, having connection among Retail Chemists and Oilmen, wanted to introduce Disinfectant Specialty (fluid and powder); liberal terms. Apply to "Chemist," Hatton & Fraser, 30 Fleet Street, London, E.O.

**JUNIOR** Assistant or Improver (outdoors) required for quick Cash business; must be a smart and energetic Counterman. Particulars of age, height, references, and salary required, to Hedges & Son, Dale End, Birmingham.

**WANTED**, a qualified Assistant, about 25, with good Counter and Dispensing experience; also a qualified Junior. Send full particulars, with photo (to be returned), to C. White, 45 Buckingham Palace Road, London, S.W.

**A FIRM** of Wholesale Druggists in Midlands require a qualified Assistant for their Retail; must be smart and obliging; no Stores man need apply. "Limousin," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**INDOOR** Assistant, early in July, by W. D. Jooe, Chemist and Spirit Merchant, Bideford; age about 20; good address and high references; able to Dispense, and willing to take active part in mixed Country Trade; liberal progressive salary.

**WANTED**, a fully qualified, accurate, and careful Dispenser, to take charge of Chemist's Department in first-class Stores; must have good experience and smart at Counter; under 30; single. Apply, A. E., 56 Bath Road, Wolverhampton.

**WANTED**, July 8, London (West-end), outdoors, an active, qualified Assistant, accustomed to a first-class Retail business; good Salesman, must write a neat hand. Apply to "Physic," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**WANTED**, Assistant for a good-class Retail and Dispensing business, aged about 24, with Minor qualification. Apply, personally, or by letter, enclosing photo (if convenient), to A. J. Merrell, 1 Queen's Terrace, Camden Road, N. (opposite "Brecknock").

**BAYLEY & ELLIOTT**, Lichfield City, want an outdoor Junior Assistant, well up in the business, with a knowledge of Photography and Teeth-extraction preferred; hours light; undeniable references; in replying please send photo and full particulars.

**TENBY**, South Wales.—Wanted, a qualified Assistant, about 24; indoors; must be a good and reliable Dispenser, and accustomed to a good-class trade. Apply, with full particulars and salary required, to George James, Pharmacist, Medical Hall, Tenby.

**IMMEDIATELY**, qualified Assistant, to manage Branch in working-class district; must be industrious and reliable; commission on increased returns; to sleep in, board out. State full particulars as to salary, &c., to H. P., 2 Rathbone Street, Canning Town, E.

**CAPE TOWN**.—Assistant wanted; Retail; Minor qualification; young man, steady, accurate, and quick Dispenser; 3 years' engagement; second-class passage paid. Apply, stating full particulars, to J. L., c/o John Murdoch & Co., 52 Leadenhall Street, E.C.

**AN** Assistant (qualified) wanted in a Light Retail and Dispensing business; outdoors; half-holiday weekly. Apply, stating usual particulars, and enclose carte (which will be returned), to Chas. Thompson, Pharmaceutical Chemist, Sparkbrook, Birmingham.

**TAYLOR'S** Drug Company (Limited) are in want of one or two young qualified Chemists, for London and the Provinces; no Sunday duty. State references, age, salary required, and enclose photo, to The Secretary, Taylor's Drug Company (Limited), P. O. Box D 49, Leeds.

**A RELIABLE** Assistant, not under 24, for London, S.E. district; must be good worker and well recommended; qualification not essential; indoors. Apply by letter only, stating age, and salary expected, with photo (if convenient), to "Chemist," 82 Stamford Hill, N.

**CHEMISTS' Managers**.—Three qualified, married men, to live on the premises; must be pushing Salesmen, Tooth-extractors, and Prescribers; none but sober men need apply; terms: free house, salary, and percentage. State experience and reference, Pare, Bolton.

**CHEMIST** and Postal Assistant; one who thoroughly understands Postal duties with Sounder or other instrument to liking, and competent to take sole charge when required, whose character will bear the strictest investigation. Postmaster, P.O., Victoria Road, Peckham, S.E.

**A SMART** and energetic Assistant; accustomed to an Agricultural and good Country trade, and able to Extract Teeth preferred; in or outdoors; no Sunday duty. Apply, stating if qualified, age, height, and salary required, enclosing photo, to Shadford & Co., Chemists, Spalding.

**BRANCH** Manager, at once; Prescriber and Extractor essential; permanency for good all-round man, sober, obliging, and thoroughly trustworthy; house in connection with shop; give fullest particulars to save time, with salary expected; house free. Griffiths, Chemist, Openshaw.

**EARLY** in July, steady, active Junior for brisk Retail; indoors; aged about 20; hours 8.30 to 8.30 P.M., Saturdays 10.30 P.M., no Sunday duty, weekly half-holiday; 2 kept. Address, giving references to last two employers, age, and salary required, J. Bennett, Chemist, Victoria Road, Widnes.

**QUALIFIED** Assistant (indoors) wanted for a General Mixed trade; one with knowledge of Photographic business preferred; manufacturing town in Midlands. Apply, stating age, height, and salary required, to "Vnli," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**MANAGER** wanted for high-class Drug-store; must be of gentlemanly appearance and address, and possess a thorough knowledge of this class of business in all its branches. Apply, stating full particulars of past experience, salary required, &c., "Energy," Quetch, 4 Ludgate Square, E.C.

**JUNIOR** (indoors only), accustomed to an Agricultural and Family trade; no Sunday duty; comfortable home. Apply, stating age, height, salary required, and whether able to Extract Teeth, to H. C. Webb, Pharmaceutical Chemist, Buckingham, and enclose photograph, which shall be returned.

**IMMEDIATELY**, smart Junior, of good appearance and address; about 22; must be quick at Counter and reliable Dispenser; Extractor preferred; comfortable home; close at 4 Wednesdays. Full particulars and photo, stating salary required, to Ashfield, King's Road Pharmacy, Reading.

**QUALIFIED** Manager required for Branch; brisk Store trade; one Junior kept; must be smart, energetic, and good Salesman; married preferred; apply personally, or send full particulars, enclosing photo; house and gas free; state salary required. Harold Mitchell, 56 Woodgrange Road, Forest Gate.

**WANTED**, an Assistant; aged about 25; accustomed to a Retail and Dispensing business; good Counterman; must be thoroughly trustworthy and have good references; indoors. Apply, stating age, height, experience, salary required, and usual particulars, to R. S. Page, Chemist, 186 Essex Road, Islington, N.

**ADVERTISER** requires a fully-qualified experienced Assistant, about 30, competent to take full charge of an old-established Retail, Dispensing, and Light Wholesale business, with a view to an arrangement for permanent Management, Partnership, or succession. Full particulars as to previous experiences, &c., to "Verax," c/o Barclay & Sons (Limited), Farringdon Street, London.



**SITUATIONS OPEN—Cont.**

**AN** Assistant (qualified) for first-class Dispensing business; outdoors. Particulars to F. Round, Southport.

**QUALIFIED** Managing Assistant, for good class of Country trade; married preferred; about 30. C. J. Campion, Harlow, Essex.

**WANTED**, qualified man, for June 24, married preferred, about 25, to manage Branch. 225 Katherine Street, Ashton-under-Lyne.

**MANAGER** (married) and Part-time Assistant wanted in London. Apply, 4/14, Office of **THE CHEMIST AND DRUGGIST**, 42 Cannon Street, E.C.

**WANTED**, a good Junior Assistant, energetic and capable. Apply, giving full particulars, salary required (indoors), and enclose photo, to J. Cornelius, 63 Queen Street, Newton Abbot.

**WANTED** a gentlemanly Assistant: Minor qualification: age 22 to 25; indoors. Applicants, state salary required and references to Hugh Fairhurst & Co, Horse Market Street, Warrington.

**JOHN BARKER & COMPANY (LIMITED)**, Kensington, W., require a Dispenser (indoors): close 7 o'clock, Saturdays 2 o'clock; no Sunday duty; personal application before 11 or after 5.

**JUNIOR** Assistant wanted for a select business at the West-end of London; good handwriting indispensable. Apply (after 11.30 A.M. preferred), to John Taylor, 13 Baker Street, Portman Square, London, W.

**£2** per Week.—Qualified Assistant (outdoors), immediately, about 24, for high-class Dispensing business. Apply personally, if possible, to W. H. Bate, 44 Harrington Road, Queen's Gate, South Kensington, S.W.

**SEASIDE**.—Junior Assistant, about July 1: one accustomed to Dispensing; indoors. Apply, stating age, height, experience, references, and salary required, enclosing carte (to be returned), to E. Michell-Smith, Weymouth.

**CHEMIST'S** Assistant (qualified) wanted for Calcutta: single, and must have had first-class experience; 4 years' agreement; passage out paid. Apply, by letter, to Alex. Lawrie & Co, 14 St. Mary Axe, London, E.C.

**FOREMAN** and Packer wanted in a Sheep-dip and Disinfectant Factory; a thoroughly capable man, one of the Trade, preferred: good references required. Full particulars, by letter only, to Odams, 116 Fenchurch Street, E.C.

**WANTED**, steady and reliable man to Manage Branch, London: outdoors; permanency and liberal salary to suitable man; good references essential. Apply, with usual particulars, to "Rhei," Hovendens, Berners Street, W.C.

**AT** once (indoors), competent hand for Counter; liberal salary to one experienced in quick Cash trade; also vacancy for Junior, about 21. Apply, stating fullest particulars, to "Manager," Lewis's Drug Stores, 215 Finchley Road, N.W.

**LONDON**.—Gentlemanly Junior Assistant wanted immediately (indoors) for a Dispensing and Prescribing business; comfortable home; not under 22 years. Apply, with full particulars, "Cortex," c/o Messrs. Horner, Mitre Square, Aldgate, E.C.

**COMPETENT** Assistant wanted, not necessarily qualified. State age, height, salary required (outdoors), and give full particulars of recent situations; enclose photo, to be returned. Apply to A. H. N., c/o Newbery & Sons, 1 King Edward Street, E.C.

**WANTED**, a smart Assistant, of good address; good Salesman; accustomed to a good class Dispensing and Retail business: send photo, references, age, height; salary £120 (outdoors). 4/4, Office of **THE CHEMIST AND DRUGGIST**, 42 Cannon Street, E.C.

**WANTED**, an experienced man for the Pill department; one who thoroughly understands Pill-coating in all its forms, and also in making Compressed Tablets; able to take the head of the Pill department. Apply by letter, to 31/13, Office of **THE CHEMIST AND DRUGGIST**, 42 Cannon Street, E.C.

**QUALIFIED** or unqualified, steady, pushing Assistant wanted; must be good Prescriber and Extractor; hours 9 to 9, Saturdays 11, Sundays 10 to 12 and 4 to 8; good prospects to a suitable person. State salary, age, nationality, and all particulars, enclosing copies of testimonials, to "Chemicus," 5 Ure Place, Glasgow.

**FORWARDING** Clerk, and to take charge of men and stock, wanted for Wholesale; must be a smart, capable, and energetic man, prepared to take pains to see that goods are turned out nicely and correctly. Full particulars of experience, reference, and salary expected, Box 38, c/o B. Wheeler, 4 Pall Mall, Manchester.

**WANTED**, at once, Junior Assistant (indoors), used to Dispensing and Retail: one possessing knowledge of Photographic Apparatus and Requisites preferred. Apply, enclosing photo (to be returned), with references, salary required, and all particulars, age, experience, &c., to "Chemicus," 22 High Street, Brompton, Kent.

**MANAGER**, qualified (single-handed), steady and reliable, married preferred, about 30, for Mixed Country business, mining district; weekly half-holiday, no Sunday duty; one seeking permanency. State age, wages, references, photo (to be returned), if abstainer. Address, J. W., c/o Mr. Sturgess, Corn Exchange, Birmingham.

**TRAVELLER** (Country) wanted by a leading Perfumery house; splendid opening for a really good man. Apply, stating age, experience, and ground hitherto worked; no commission agents need apply; all communications in strict confidence. Box 1122, Office of **THE CHEMIST AND DRUGGIST**, 42 Cannon Street, E.C.

**WANTED** in July, a gentlemanly Assistant (indoor) about 25; must be an energetic Counterman, good Salesman, accurate and reliable Dispenser, and used to a Mixed Agricultural business; 3 employed in shop; undeniable references indispensable. Apply, stating age, height, salary, &c., enclosing photo, to J. Wellington, Chemist, Oakham.

**WANTED**, thoroughly competent Managing Assistant, of gentlemanly address, for large brisk Family and Agricultural trade; favourable opportunity for a pushing qualified man with business habits to acquire permanent position; good salary, either fixed or, if preferred, partially progressing with profits; what is wanted is a good man for a good business, and none need apply whose character and trade experience will not bear strictest investigation; in first letter state age, height, married or single, references, and particulars of experience, and enclose photo, which will be returned; particulars held as confidential if desired. Address, in first instance, "Campor," Office of **THE CHEMIST AND DRUGGIST**, 42 Cannon Street, E.C.

**SITUATIONS WANTED.**

1s. for 12 words; 6d. for every 6 words beyond.

**ASSISTANT**: 5½ years' first-class experience. F. O., 42 Rotbesea Road, Luton.

**MANAGER**: married; 35; South Coast. H., 144 Stockwell Park Road, Brixton.

**TEMPORARY**, Manager or Senior; qualified. "Cbemist," 13 Madoc Street, Llandudno.

**LOCUM-TENENS**: aged 28; disengaged; good Extractor. 2 Horton Street, Lewisham, S.E.

**LOCUM** or Manager: qualified; aged 38. "Chemicus," 86 St. James Road, Holloway (side door).

**JUNIOR**: 22; good experience; time for study. "Alpha," 70 Taylor Street, Middleton, Manchester.

**ASSISTANT**: 26; unqualified; London; outdoors preferred; 11 years. Wilson, Mount Pleasant, Downham.

**MANAGER** or Senior: fully qualified and experienced; Extractor. H., Mrs. Coombes, Stratford-on-Avon.

**QUALIFIED**; disengaged; aged 24. "Rhei," Office of **THE CHEMIST AND DRUGGIST**, 42 Cannon Street, E.C.

**ASSISTANT**: 22; with time for study; good Dispenser and references. G. W. S., 77 Otley Road, Headingley, Leeds.

**ASSISTANT**: outdoors; capable; 5½ years' experience, good-class business. Atkinson, Fleetwood Street, Southport.

**BRANCH** Manager; registered Prescriber, Tooth-extractor; good references. Address, 73 Gillington Road, Bradford, Yorkshire.

**BRANCH** Manager or Surgeon's Dispenser; London and provincial experience; references. X., 2 Percy Street, Fartown, Huddersfield.

**ASSISTANT**; unqualified; 30; Wholesale or Retail; Midlands preferred; undeniable reference. J. B., Post Office, T. Shelf, Alfreton.

**TRAVELLER** requires berth, town or country; former preferred. Apply, 56/39, Office of **THE CHEMIST AND DRUGGIST**, 42 Cannon Street, E.C.

**ASSISTANT**: good experience and references; unqualified; London preferred; disengaged July. Lloyd, c/o Messrs. W. Kemp & Son, Newcastle.

**ASSISTANT**: London; qualified; 25; 5 ft. 10½ in.; good Dispensing experience; no Stores. H. Watson, Clyde Terr., Spenny-moor, Durham.

**AUSTRALIA**.—Manager or Senior; qualified; abstainer; nearly 27; good references; Dispensing and varied experience. Chettle, Shirley, Trowbridge, Wilts.

**BRANCH** Manager or Dispenser to Surgeon; aged 31; height 6 ft.; unqualified; good experience; references. J. B., 69 Gayhurst Road, London Fields, N.E.

**ASSISTANT**: 22; outdoors; qualified; Prescriber, Dispenser, Extractor; able to take charge; highest references. "Argon," 53 Water Lane, Preston.

**MANAGER** or Dispenser.—Married man seeks permanent engagement; well up in Prescribing, good Extractor. Harding, Much Wenlock, Shropshire.

**LOCUM** or permanent; good Prescriber and Salesman; outdoors; 32; highest references; windows dressed, stock put up; unqualified. B. D., 62 Burton Crescent, W.C.

**MANAGERSHIP**, permanency, in or near London, in month's time; tall; 11½ years' experience. G., Office of **THE CHEMIST AND DRUGGIST**, 42 Cannon Street, E.C.

**ASSISTANT**; disengaged; competent; good Prescriber, Extractor; satisfactory references; 5 ft. 9 in.; aged 25; salary £45; state hours. Gilbert, Fulham Road, Birmingham.

**30s.**; Locum, manage Branch, qualified; 45; experienced, sober, reliable; Prescriber and Extractor; disengaged. Wilson, 21 Hanover Gardens, London, S.E.

**LOCUM-TENENS** in good-class business; country preferred; qualified; aged 30; Extract. Prescriber; references. M. S., c/o Messrs. Willows, Francis & Butler, 101 High Holborn, W.C.

**TRAVELLER** seeks re-engagement in the Wholesale Drug trade, in town or suburbs; many years' experience. Apply, F. W., Office of **THE CHEMIST AND DRUGGIST**, 42 Cannon Street, E.C.



## SITUATIONS WANTED—Cont.

**AS** Manager, Assistant, or temporary. Powell, Willow Grove, Highfield, Lancaster.

**JUNIOR**: 20½; 3½ years' experience; disengaged July 1. T., 32 Union Street, Abersychlan.

**QUALIFIED**: aged 28; disengaged; good experience. W. Walker, 34 Market Place, Leicester.

**DISPENSER** or Locum; qualified; good experience; disengaged. X. Y. Z., 564 Fulham Road, S.W.

**WANTED**, situation in Laboratory or Mill. Apply, Bowdler, 60 Stone Close Avenue Doncaster.

**DISPENSER** or Assistant; qualified; 25; good experience. M., 25 Westow Hill, Upper Norwood S.E.

**JUNIOR**: 23; unqualified; 6 years' experience; disengaged; London preferred. Hickling, Tinsell, Stamford.

**LOCUM** or Manager, with view to partnership or succession; highest references. S. S. H., Hill House, Godley, near Hyde.

**LOCUM** or Manager; London experience; qualified; disengaged. "Dispenser," 6 Buckwell Street, Plymouth.

**QUALIFIED**: aged 25; outdoor; disengaged; good experience. "Timolo," c/o Brauer, Chemist, Middleswich.

**TEMPORARY**: experienced; excellent references; disengaged. "Qualified," Clyde Villa, New Cross Road, S.E.

**LOCUM-TENENS**: 26; qualified; disengaged until July 15. 6 Newington Hall Villas, Stoke Newington, N.

**AS** Assistant: 24; satisfactory reference; could take charge; disengaged. "Radix," c/o Barnett, Silver Street, Enfield.

**AS** Junior or Improver; aged 20; 3½ years' good experience; excellent references. A. Plowright, 13 Curzon Street, Mayfair, W.

**PART-TIME** with doctor, London; student; Major; excellent reference, &c. "Alpha," 92 Upper Stanhope Street, Liverpool.

**AS** Manager, by qualified Chemist; permanency essential; good all-round experience; clever Prescriber. Clifford, 3 Hopwood Street, Hull.

**LOCUM** (aged 40) to Chemists, Hospitals, or Surgeons; disengaged; first-class experience and references. F. G. Shrimpton, Grove Street, Oxford.

**CHEMIST'S** Assistant; disengaged evenings and every other Sunday; as Evening Dispenser to Surgeon. "Chemist," 82 Crowndale Road, N.W.

**LOCUM-TENENS**; qualified; London and Country references; registered Dentist. Andrews, 3 Percy Villas, West Avenue Road, Walthamstow.

**JUNIOR**: 19½; height 5 ft. 8½ in.; 4½ years' experience; good references; Manchester or Liverpool preferred. "Exam.," 3 Commercial Street, Huddersfield.

**MANAGER** or Assistant; aged 30; married; good Prescriber and Teeth-extractor; excellent references. "Chemicus," 451 Gloucester Road, Horfield, Bristol.

**MANAGERSHIP**, with Dentistry; registered; married. Address, firstly, "Lancashire," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**LOCUM-TENENS** or Management; disengaged; aged 28; total abstainer; varied experience; competent take charge; references. W., 228 Upper Kennington Lane.

**MANAGER**: South or West Coast; qualified; married; over 7 years present situation; excellent reference; understands Photography and Aërated-water business. Wood, George Street, Workshop.

**BRANCH** Manager, married, qualified, experienced Dispenser and Extractor, active, good Salesman, seeks re-engagement. P., Willows, Francis & Butler, 101 High Holborn, London.

**MANAGER**, Senior, or Assistant, with view to succession; London preferred; first-class experience; exceptional references. 2/32, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**AS** Assistant; 8 years' experience all-round Mixed business, Extracting, and Prescribing; married; not qualified; aged 23; height 5 ft. 6 in. A. H. Perkins, c/o John Dale, A.P.S., Dispensing and Family Chemist, 258 South Road, Walkley, Sheffield.

**HANDY** Man requires a situation; can make all preparations required in ordinary shop, and keep stock; first-rate character; not particular as to the nature of his work; willing to be useful. "Corral," c/o Messrs. Orridge & Co., 32 Ludgate Hill.

**ENERGETIC** Manager, or Dispenser to Surgeons; married; no children; unqualified; 30; speak French and Italian; excellent references; seeking permanency if possible, with quarters. Wyatt, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**SUMMER**.—Locum-tenens or temporary; 26; abstainer; qualified; London, Provincial, and Continental experience; Photography, &c.; first-class references; forward engagements made for town or country. "Nagrom," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**ARMENIAN** Gentleman, well up in French, Italian Pharmacy, fluent French, Italian, Armenian, Turkish, slight English, seeks situation in a Pharmacy to perfect his knowledge of the English language; terms moderate; excellent references. Mirman Hussuss, 10 Avenue Wagram, Paris, France.

**AS** Town Traveller to firm of Manufacturing Chemists or Surgical Instrument Makers, &c., or good Drug and Sundry House; aged 37; height 6 ft.; energetic and of good address; previous experience in North of England; now disengaged; highest town references; practical Photographer; Medical education; would prefer, although not essential, fair connection with good facilities for extension; accept moderate terms to begin with. "Tabloid," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**JUNIOR**; 3 years' experience; disengaged. "Chemicus," 3 Temple Terrace, Louth, Lincs.

**LOCUM-TENENS**; qualified; long experience; disengaged. "Chemist," 8 Church Street, Salisbury.

**LOCUM** or Managership; disengaged; Chemist and Dentist; competent and reliable; single. W., 53 West Square, S.E.

**LOCUM**; 31; single; disengaged; good references; thorough experience. Bradbury, 29 Berwick Street, London, S.W.

**AS** Assistant (without counter work), Dispenser, or in Laboratory; 21; Miner. Pentney, 175 Old Chester Road Birkenhead.

**JUNIOR**: 21; 5 years' Metropolitan experience in large Stores; disengaged; good references. H., 60 Bellamy Street, Batham, S.W.

**AS** Assistant or Dispenser; 12 years' good varied experience; good references. "Rex," 1 York Terrace High Street, Southampton, S.W.

**ASSISTANT**; good address; appearance, &c.; height 5 ft. 10½ in.; capable, energetic; town or country. Apply, "Radix," c/o 83 Oxford Street, Liverpool.

**MANAGER** or Senior; aged 29; qualified; highest recommendations. "Chemicus," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**QUALIFIED**; 25; outdoors; tall; good references; accustomed to Store trade; Brighton or South Coast preferred. 250/13, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**WANTED**, by a young French Pharmacist, a situation for a few months; speaks English a little, and knows English Pharmacy; salary no object. Mr. Victor Bros, 65 Rue St. Honoré, Fontainebleau (France).

**WHOLESALE** Drug Trade.—As Department Manager or Traveller in London; long experience in Wet-room management; well up in Perfumery, manufacture of French Essences. Robert Owers, 18 Hampden Road, Hornsey, N.

## MISCELLANEOUS.

**FOR** Sale, £1 Share in Chemists' Aërated Mineral Waters Association (Limited); what offers? Ison, Wellington Salop.

**NOTICE**.—Mr. Wm. Gunn, deceased.—The business of the late Mr. William Gunn, Pharmaceutical Chemist, Duns, N.B., will be carried on from this date (June 10) under the management of his eldest son, Mr. Alexander Gunn, Chemist and Druggist.

**FOR SALE**.—1 counter, 12 feet long, 3 feet high; 1 dispensing-counter with glass show-case and marble slab; 5 carbors for window; 2 specie jars, 27 inches high; 1 counter show-case and stock, and other sundries if required. 109 Fulham Palace Road, Hamlyn-Smith, W.

**CHEMISTS'** Shop-fittings; second-hand; great bargain; range of mahogany-fronted drawers, shelving, &c. complete; mahogany-fronted counter, desk and case, and counter-case; £25 the lot; cost £100; also an immense quantity of other fittings, glass wall and counter cases, dispensing-screens, counters, bottles, and every requisite for fitting up. Philip Josephs, 54 Old Street, City Road, London, E.C.

**HOPS**, best foreign; 2-cwt. bales, 33s.; 1-cwt., 35s.; ½-cwt., under 6d. lb.; sample, 2 stamps. Bill-distributing.—Chemist in large Midland town (200,000), having engaged good man for summer, is open to take sole agency or distribute bills to mutual benefit. Special.—Sulphur tablets, new tablets; samples free 2 stamps; 2 cwt., 35s. cwt.; 1 cwt., 37s.; ½ cwt., 39s.; under 6d. lb.; carriage paid; cash with order. Surplus stock of eucalyptus carbolised shells; sell at sight; sample free; sell 2d. or 3d.; 8s. gross, carriage paid. J. M., 95 Humberstone Road, Leicester.

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**STUDENTS**! Send to-day for particulars of a Method of Study which will enable you to pass with ease. Knotty Points in Latin Grammar, 1s. 6d.; Caesar Simplified, 1s.; Metric System Simplified, 1s.; How to Write an Essay, 3d.; Equations Simplified, 1s.; Notes on Dispensing, 1s., post free. Mr. J. Tully (Hills Prizeman), Chemist, Hastings.

**Re THOMAS CLARKE, Chemist, Stockport, Deceased.**  
**ALL** persons having Claims against the above Estate are requested to send particulars of the same, on or before the 15th inst., to Henry Howard, 19 Market Place, Stockport.

## EDWIN ARTHUR WOODHOUSE, Deceased.

**ALL** persons having any claims against the estate of Edwin Arthur Woodhouse, late of No. 103 Cleethorpe Road, Great Grimsby, Chemist, deceased, are desired to send particulars thereof to me at once; and all persons indebted to the said Edwin Arthur Woodhouse at the time of his death are requested to pay the amount of their respective debts to me forthwith. By order of the Executors.  
Royal Dock Chambers, Great Grimsby, S. T. HADDELEY, Solicitor.  
June 7, 1895.

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.....

Further particulars as to position, &c., may be obtained from the Publisher,

**THE CHEMIST AND DRUGGIST, 42 CANNON STREET, LONDON, E.C.**

Branch Offices: MELBOURNE and SYDNEY, AUSTRALIA.



# "THE CHEMIST & DRUGGIST"

For JUNE 15, 1895.

## SUMMARY OF CONTENTS.

A NOTE regarding the Chemists' Co-operative Company is printed on p. 836.

A NEW general order has been issued regarding the removal of sweetened spirits from bond (p. 819).

MR. WILLIAM MATHER, the plaster-manufacturer, of Manchester, has died from carbolic-acid poisoning (p. 820).

DR. J. H. GLADSTONE discussed the theories of solution at the Chemical Society, last week, without making matters much clearer (p. 825).

MR. HODGSON, the Hon. Treasurer of the Irish Pharmaceutical Society, wishes to resign the post, but his colleagues are loth to let him go (p. 824).

MR. W. F. WELLS, of Dublin, has had a nasty accident. While in his aerated-waters factory a bottle burst, and severely injured his eye (p. 824).

NICKEL and zinc were the things that troubled our young analysts this past month. Mr. Moss now gives them some hints as to how they should proceed with such mixtures (p. 818).

C. I. HOOD'S COMPANY have proceeded against a coster for selling 1*lb.* packets of sarsaparilla tablets as Hood's. The coster got the worst of it—seven days, because he had no money (p. 828).

WE have had a talk with Mr. W. F. H. Pocock, President of the Cape Colony Pharmacy Board, in the course of which he urged the necessity for the home societies promoting reciprocity of certificates (p. 825).

THE Pharmaceutical Society of Ireland are proceeding against the trustees of Fannin & Co., surgical-instrument makers, Dublin, for keeping open shop selling poisons. The lines of defence put forward by Mr. Campbell, Q.C., are ingenious, and, according to the Society's solicitor, confuse the issues. The Magistrate has reserved his decision (p. 826).

FIVE cases of poisoning with carbolic acid are reported on p. 820.

SOME particulars regarding the Java cinchona-plantations are given on p. 823.

THE question as to whether chemists may bottle benzene is discussed on p. 835.

THERE are 23 candidates for 17 vacancies in the Executive of the North British Branch (p. 821).

A CARDIFF chemist has been censured by a coroner's jury for giving a powder to a sick child (p. 820).

AN official medicine-tariff for retail traders has come into force in Turkey, but there is much opposition to it (p. 834).

A CARGO of opium, which was supposed to have gone to the bottom of the sea, is still on the surface, and its strange history is related on p. 834.

AN attempt to get a retailer fined, under the Food and Drugs Act, for selling saffron containing 2½ per cent. of "grit and vegetable," has failed (p. 828).

A FEW more letters in regard to cutting, some pertinent remarks about the examinations, and other interesting matters are dealt with in our correspondence columns (p. 847).

A LARGE number of limited companies connected with the drug-trade have been removed from the register, and notice is given of others which will be. The reasons for this are given on p. 831.

THE British Medical Association's inquiry regarding the frequency with which certain subordinate official preparations are used has yielded some interesting particulars, which are discussed on p. 832.

WE have to record this week deaths of a number of gentlemen connected with the drug-trade, including Mr. Duerdin, of Melbourne (which happened suddenly in London), and Mr. William Gunn, of Duns (p. 830).

## SUBSCRIPTION ORDER FORM.

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